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7227

1928 CATALOG

63RD YEAR

CHOICE IOWA SEEDS

For FARM, GARDEN
and LAWNS

RECORDED

MAR 1928

U. S. DEPT. OF AGRICULTURE



Telephone
MAPLE 182

SEEDSMEN

TO THE

AMERICAN

PEOPLE

The IOWA SEED *Company*

EAST 4TH & LOCUST · DES MOINES · IOWA · U.S.A.



1865 Sixty-third Year 1928

The Iowa Seed Co.

"Seedsman to the American People"

EAST FOURTH AND LOCUST STREETS

Phone Maple 182

Des Moines, Iowa

GREETINGS TO OUR FRIENDS

We send you our catalog for 1928 with the sincere wish that it will add to your enjoyment and profit from gardening and farming. There has been a wonderful increase in the interest taken in all phases of gardening. If we can in any way be of service to you in the development of your garden do not hesitate to ask us for assistance.

This catalog will reach many persons who are not as yet acquainted with us and we take this opportunity of introducing ourselves. For three generations The Iowa Seed Company has been selling seeds, bulbs, and plants to the American people. We have endeavored to supply at all times only one quality—the best. The continued patronage of thousands of our customers has built for us an enviable reputation.

In January, 1925, our local store was moved from 209-211 West Walnut Street to its present location at East 4th and Locust Streets. Our large, three-story building enables us to give you the best of service. We are out of the high rent district and where there is plenty of convenient parking space.

If you have not been using our seeds, plants, and bulbs, a trial order will convince you that you should become a regular user of Choice Iowa Seeds.

THE IOWA SEED CO.

SUGGESTIONS ABOUT ORDERS

Our stocks of Seeds we believe cannot be excelled in quality, productiveness, or selection. We watch our growing seed crops carefully to keep them isolated so they will not mix, and that no stray or weak plants are allowed to blossom.

PRICES.—We have made prices in this catalog as low as we consistently could. We offer only the highest quality seeds it is possible for us to grow or obtain, and we make but one price to everyone.

Ask for prices on large lots. Only the quantities usually ordered are printed in the catalog. If you wish larger lots send us a list for estimate.

Prices are based on the quantity ordered regardless of who is the purchaser. Dealers do not sell Choice Iowa Seeds or Iowa Shield Brand goods. You can buy them only through us. You get them direct—you know they are fresh and unadulterated.

HOW TO SEND MONEY.—The most convenient way to you, of course, Money Orders and Drafts are safe. Your check for larger amounts is acceptable. You may send stamps for change or small amounts. There is seldom any loss of money in the mails.

WHAT WE GUARANTEE. That remittances, sent in any of the protected ways, shall reach us; that your order will be filled promptly and well; that the goods ordered shall reach you safely, and in good condition.

WHAT WE DO NOT GUARANTEE. The kind of crop our seeds will produce for you. As there are so many contingencies, such as time of planting, depth of planting, soil, weather and insects. No employee or officer of this company is authorized to make any warranty whatsoever. We, however, have so much confidence in our "Choice Iowa Seeds" that we hereby agree to refill any order for Garden or Flower Seeds, free of charge, should they prove otherwise than we represent them. We know of no responsible seed firm which will guarantee seeds further than this.

OUR RESPONSIBILITY.—As this catalog will go into the hands of those that are not acquainted with us, we take pleasure in referring you to the Postmaster at Des Moines, Iowa, or to any Des Moines bank.

PACKETS.—You will find our packets generously filled. We have made the price 5 cents per packet, where we could give enough seed for the ordinary family garden for that price. For heavy seeds or high cost seed we have had to make the price 10 cents, but we always put in a full 10 cents' worth.

SEEDS BY MAIL.—All kinds of seeds and most of the supplies can be sent by mail. We pay the postage or express charges on seeds, priced by the packet, ounce or single pound. Seeds ordered in larger amounts will go by express or freight, you to pay the charges, or if wanted by parcel post, remit for postage according to distance. See table.

HOW TO FIGURE POSTAGE.—Multiply number of pounds, your shipment amounts to, by figure opposite your state and add four cents. Example—Should you live in Pennsylvania and order totals three pounds, you multiply 3x6 cents, equals 18c, plus 4c equals 22c, the amount of your postage. Any excess postage will be returned to you.

STATE	Postage Per Lb.	STATE	Postage Per Lb.
Alabama	6 cents	Nebraska	4 cents
Arizona	8 cents	Nevada	8 cents
Arkansas	4 cents	New Hampshire	8 cents
California	10 cents	New Jersey	8 cents
Colorado	6 cents	New Mexico	8 cents
Connecticut	8 cents	New York	8 cents
Delaware	6 cents	North Carolina	8 cents
Dist. Columbia	6 cents	North Dakota	6 cents
Florida	8 cents	Ohio	6 cents
Georgia	6 cents	Oklahoma	4 cents
Idaho	8 cents	Oregon	10 cents
Illinois	1 cent	Pennsylvania	6 cents
Indiana	4 cents	Rhode Island	8 cents
Kansas	4 cents	South Carolina	6 cents
Kentucky	6 cents	South Dakota	4 cents
Louisiana	6 cents	Tennessee	6 cents
Maine	8 cents	Texas	8 cents
Maryland	6 cents	Utah	8 cents
Massachusetts	8 cents	Vermont	8 cents
Michigan	4 cents	Virginia	6 cents
Minnesota	4 cents	Washington	10 cents
Mississippi	6 cents	Wisconsin	4 cents
Missouri	4 cents	West Virginia	6 cents
Montana	8 cents	Wyoming	6 cents

The parcel post rate from Des Moines to all Iowa points is 7 cents for the first pound and 1 cent for each additional pound.

Front Cover Collection

This wonderful collection includes bulbs, plants, and seeds, which will help make your home more attractive. Gladioli—three each of Princepine, Le Marechal Foch, Mrs. Frances King, Mrs. Frank Pendleton, Blackhawk, Peace. 1 Festiva Maxima Peony. 6 assorted named Iris. 1 lb. Shield Brand Kentucky Blue Grass seed. All postpaid for

\$2.75

ORDER SHEET FOR

TOOLS, SEED POTATOES, ETC.

FROM THE IOWA SEED COMPANY

East 4th and Locust

Des Moines, Iowa.

SEED HEADQUARTERS

Filled by	
Date Shipped	Shipped by

Please leave above spaces blank

 Please write your name and address distinctly and in full with each order. Old customers who have moved since last season will please state their former address also. Read "Suggestions to Customers" on first page of Catalog. Extra order sheets and return envelopes on application.

IOWA SEED CO.—Please ship the following goods on the terms and conditions stated in your general catalog.

Date_____192_____
Amount Enclosed

Name _____

Write plainly

Post Office.....

County _____ State _____

R. F. D. No......*Box or St.*.....

Express Town (if different from P. O.) _____ **Ship by** By Mail
Express
or Freight _____

We Prepay the Postage on all seeds, plants and bulbs, except where noted. Field seeds, potatoes and other goods, except as noted, we ship by freight or express, purchaser paying charges.

[illegible]

QUANTITY OR NUMBER	NAME OF ARTICLES WANTED	PRICE	
		Dollars	Cents
	<i>Amount brought forward,</i>		
	<i>Total Amount of order,</i>		

ASPARAGUS

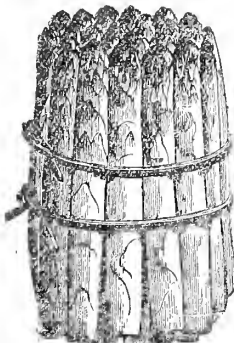
(One ounce will sow forty feet of drill.)

Asparagus is so easily grown, every garden should contain a bed. A bed ten feet square requiring 50 plants, will give abundant supply for an ordinary family. Sow early in spring with rows a foot apart; keep clean by frequent weeding. Circular on "How to Make an Asparagus Bed" free.

WASHINGTON.—The result of careful breeding by the U. S. Department of Agriculture to eliminate rust, which has heretofore proven so disastrous to asparagus crops. It is more nearly rust-proof than any other variety. Pkt. 10c; oz. 25c; ¼ lb. 80c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

BONVALLET'S GIANT.—Differs from the above in color of the young shoots, which are a light green. Strong, vigorous grower. Produces the largest shoots of any variety. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.



WASHINGTON
ASPARAGUS

ASPARAGUS ROOTS

Every garden should have a row or bed of asparagus. The reason so many gardens are without it is because of the mistaken idea that asparagus is difficult to plant and care for, when all that is necessary is to set the plants in well plowed or spaded ground one foot apart in 3-foot rows, set the tops or crown 3 inches deep, cultivate well, put on a 3 or 4 inch coat of manure every fall. Do not cut until second year. We have made our prices as low as we could to encourage abundant planting.

Our roots are extra strong, free from rust and are healthy.

CONOVER'S COLOSSAL.—Strong No. 1 plants. Per doz. 50c; 100 for \$1.50 postpaid. Not postpaid, \$1.00 per 100; \$7.50 per thousand.

BONVALLET'S GIANT.—Strong No. 1 plants. Per doz. 50c; 100 for \$1.50 postpaid. Not postpaid, \$1.00 per 100; \$7.50 per thousand.

WASHINGTON.—Doz. 50c; 100 for \$2.00 postpaid. Not postpaid, \$1.75 per 100; \$12.50 per thousand.

BEANS—Dwarf or Bush Varieties

Our packets of beans contain two ounces.

STRINGLESS GREEN POD.—The best of the green pod varieties. Pods are long light green, entirely stringless, and of excellent flavor. Very early and prolific and as near perfect as any green pod bean we know. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not postpaid any quantity at 30c per lb.

IMPROVED EARLY VALENTINE.—A standard variety and liked by many. Produces its thick, fleshy pods abundantly. Of fine flavor and matures quickly. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid, any quantity at 30c per lb.

IMPROVED GOLDEN WAX.—This is the standard variety. The most popular for either family or market garden. Pods are large, clear, waxy yellow and free from rust. Entirely stringless. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not postpaid, any quantity at 30c per lb.

CHALLENGE BLACK WAX.—An old favorite and still preferred by many. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

BRITTLE WAX.—This is the best of the new varieties of wax beans. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

BURPEE'S BUSH LIMA.—A dwarf or bush form of the true large Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous. An immense yielder. Does not always mature this far north, but makes excellent green shelled beans. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per pound.

HENDERSON'S BUSH LIMA.—A true bush Lima and sure to ripen its enormous crop. Beans grow to good size, and are excellent either green, or shelled dry. Produces a continuous crop from the middle of July until frost. Enormously productive. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

IMPROVED NAVY, or Boston Pea.—This is the improved type of the navy bean which is grown for use as shell beans in winter. Our stock is especially saved for seed purposes and is superior to any bought in open market. Pkt. 10c; ¼ lb. 15c; lb. 35c postpaid. Not prepaid, any quantity at 20c per lb.

POLE BEANS

These require support of some kind. Woven wire fencing makes an excellent substitute for bean poles. Sometimes planted with corn with good results.

OLD HOMESTEAD.—Is also known as Improved Kentucky Wonder. Enormously productive, pods hanging in great clusters from top to bottom of the pole. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

LAZY WIFE.—Very much like the above. The ripe beans are white. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not postpaid, any quantity at 30c per lb.

GOLDEN CLUSTER WAX.—The most popular variety of wax pole beans. Pods large, fleshy and stringless. Pkt. 10c; ¼ lb. 20c; lb. 45c. Not prepaid, any quantity at 35c per lb.

SPECKLED CUT SHORT.—Succeeds better when planted with corn than any other pole bean. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity, 30c per lb.

SCARLET RUNNER.—Usually planted for its brilliant scarlet flowers. It is also very prolific and the finest quality for the table. Pkt. 10c; ¼ lb. 20c; lb. 60c.

KING OF THE GARDEN LIMA.—Pods are of enormous size. Pkt. 10c; ¼ lb. 15c; lb. 50c, postpaid. Not prepaid, any quantity at 40c per pound.

YARD LONG.—A great curiosity. Pods sometimes over three feet long. Splendid in the green state as pods are tender and of fine flavor. Pkt. 15c; ¼ lb. 25c; lb. 80c, postpaid.



STRINGLESS GREEN POD BEANS



IMPROVED GOLDEN WAX BEANS



OLD HOMESTEAD BEANS

TABLE BEETS

One ounce sows 50 feet of drill; 4 to 6 lbs. for one acre.

For early, sow as soon as ground can be worked, and from the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. The soil should be rich. Hoe often, taking care not to bruise the roots.

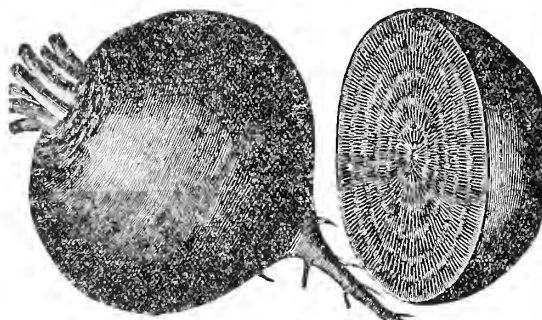
CROSBY'S IMPROVED EGYPTIAN.—The earliest variety. Regular in shape, smooth with small tops and small tap root. Being a rapid grower it may be sown outside as late as the first of August. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid.

DETROIT DARK RED.—One of the best varieties grown for main crop. Its roots are round, very smooth, of good marketable size, and for table use is unexcelled. Deep blood red; flesh sweet and tender. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25, postpaid.

MARKET GARDENERS.—If you plant but one kind of beet, plant this one. It is early, beautiful oval in shape, rich crimson color and excellent quality. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid.

GOLDEN GLOBE.—Bright yellow. When cut up in a dish with red beets, they make a handsome contrast. Mature early and are sweet and nice. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25, postpaid.

GIANT LUCULLUS CHARD.—Is growing in popularity. Leaves are beautifully curved, and of a soft, clean shade of green. The thick, broad stalks are as large as rhubarb. Prepared the same as asparagus or leaves and stalks used as "greens." Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25, postpaid.



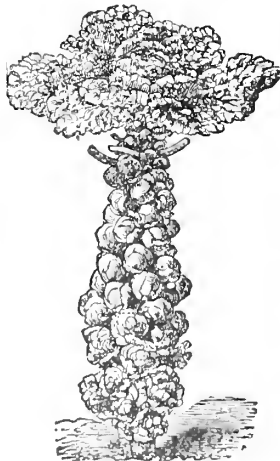
DETROIT DARK RED

pure white and very solid. Has large leaves which protect the head. Does better in dry seasons than other sorts. Pkt. 20c; ¼ oz. 60c; oz. \$2.00; ¼ lb. \$7.00, postpaid.

BRUSSELS SPROUTS

Of the cabbage family, producing numerous heads along the stem, of most delicious quality. Use and cultivate like winter cabbage.

AMERICAN MAMMOTH.—Greatly superior variety of American origin. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00, postpaid.



BRUSSELS SPROUTS

CHERVIL

Leaves used in soups and salads. Have a pleasant aromatic taste greatly liked. Cultivate like parsley. Pkt. 10c; oz. 25c; ¼ lb. 70c, postpaid.

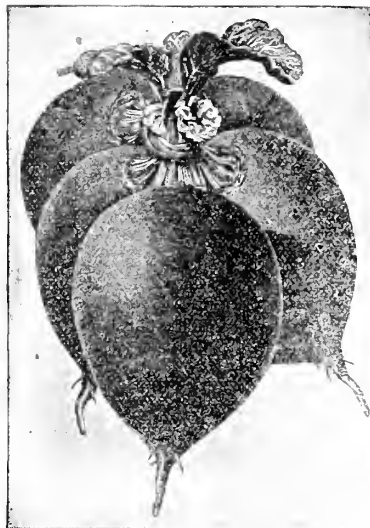
CHINESE CABBAGE, or Pe Tsai

Sometimes called Celery Cabbage

This is the finest thing we have ever had from the Orient. Sow some early, like Early Cabbage. Sow every month until the first of August. Everyone likes it. Excellent for green food for poultry, produces heavily and it will not discolor yolk of eggs. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00, postpaid.

CHIVES

Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. Plant in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. They are also beautiful as a flowering plant with their pink, clover-like flowers. Difficult to grow from seed; we therefore offer them in plants only. 15c per bunch; 3 bunches 40c; dozen \$1.00 postpaid.



MARKET GARDENERS BEETS

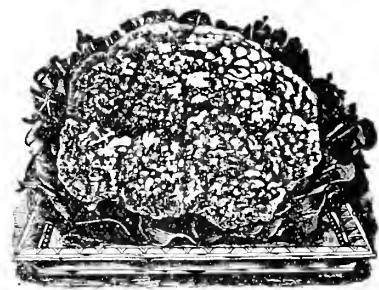
CAULIFLOWER

One ounce will produce about 3,000 plants.

One of the most delicious of vegetables. Requires similar treatment to cabbage. Does not head well during the hottest weather in summer. Sow the seed early for an early crop and again in June or July for late heads. Our cauliflower seed is grown in Denmark and is the best produced anywhere.

HENDERSON'S EARLY SNOWBALL.—Considered the earliest and more certain to make a head than any other sort. Pkt. 20c; ¼ oz. 60c; oz. \$2.00; ¼ lb. \$7.00, postpaid.

DANISH GIANT, or Dry Weather Cauliflower.—Heads are extra large, beefy.



SNOWBALL CAULIFLOWER

MANGEL OR STOCK BEETS

MAMMOTH GOLDEN GIANT.—The largest of yellow flesh mangels. Grows more than half above ground. Remarkably even in shape. Flesh firm and sweet. It is a most excellent keeper. Oz. 10c; ¼ lb. 25c; lb. 60c postpaid. Not prepaid, 5 lbs. or more at 50c per lb.

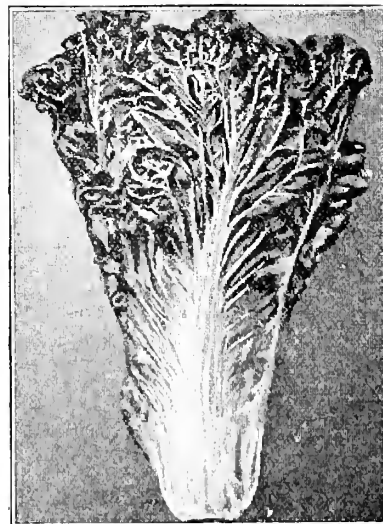
GIANT SLUDSTROP.—A variety of exceptionally even growth. Color is reddish yellow; excellent in shape. Contains more sugar, grows larger and is easy to harvest. It is the best of all mangels for feeding purposes. Per oz. 10c; ¼ lb. 25c; lb. 60c, postpaid. Not prepaid, 5 lbs. or more at 50c per lb.

MAMMOTH LONG RED.—Unexcelled for yielding qualities. Grows to a very large size. Very uniform, smooth and of good shape. Per oz. 10c; ¼ lb. 25c; lb. 55c, postpaid. Not prepaid, 5 lbs. or more at 45c per lb.

GIANT HALF SUGAR MANGEL.—A hybrid or cross between the Mangel and Sugar Beet. As heavy a yielder as the mangels and equally as smooth. Per oz. 10c; ¼ lb. 25c; lb. 60c, postpaid. Not prepaid, 5 lbs. or more at 50c per lb.

GOLDEN TANKARD.—Of a rich deep yellow throughout. Early, hardy, a heavy cropper. Oz. 10c; ¼ lb. 15c; lb. 50c, postpaid. Not prepaid, 5 lbs. or more at 40c per lb.

KLEIN-WANZLEBEN.—Our seed is from beets which were tested as to percent of sugar before setting out. The sugar makes it of great value for feeding. Per oz. 10c; ¼ lb. 20c; lb. 70c, postpaid. Not prepaid, 5 lbs. or more at 60c per lb.



CHINESE CABBAGE

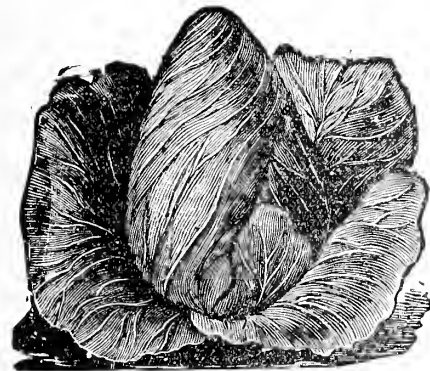
CABBAGE

One ounce will produce about 3,000 plants. Takes 8,000 to 10,000 plants per acre, of early sorts, and 6,000 of large, late kinds.

No vegetable is of greater importance than cabbage. It does not pay, therefore, to take any risk in buying seed. We pride ourselves on having the purest and highest grade of cabbage seed that is offered. Sow early sorts in hotbeds about six weeks before time to set out the plants in the field or garden. Transplant to rows three feet apart. Our packets contain about 800 seeds. Slug Shot or Tobacco Dust will kill insects and worms.

EARLIEST OF ALL.—A new sort like Copenhagen, but smaller and earlier. Brings highest market price. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb., \$3.00, postpaid.

EXTRA EARLY EXPRESS.—The earliest variety in existence and produces heads before the Jersey Wakefield or other varieties. Heads solid, have few outside leaves, and can therefore be planted very close. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00, postpaid.



EARLY JERSEY WAKEFIELD

CELERY

One ounce will produce about 6,000 plants.

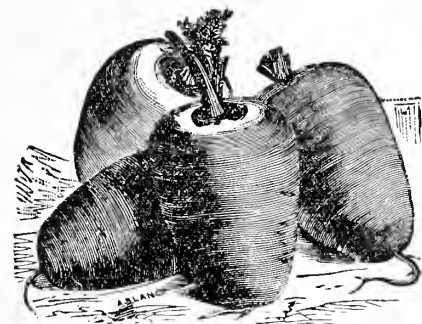
Sow seed in hotbed or house for early plants. Seed for winter celery should be sown in April or early in May and set out in rows 3 feet apart and 10 inches apart in the row. Cultivate often. There are various ways to blanch. A 4-inch drain tile slipped over each plant works fine.

WHITE PLUME.—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with twine. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.

GOLDEN SELF-BLANCHING.—By far the most popular sort; of medium earliness, compact habit, with thick, solid stalks which blanch easily to a clear waxen yellow. **French Grown Seed**—Pkt. 15c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00; lb. \$10.00. **American Grown Seed**—Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$1.50; lb., \$5.00, postpaid.

GIANT PASCAL.—A late variety of superior keeping qualities. Very large, solid and crisp, a rich nutty flavor. Blanches easily. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

GIANT PRAGUE CELERIAC.—Instead of producing long leaf stalks like ordinary celery, it has a turnip-like root with true celery flavor. Used in soups, stews and for all culinary purposes in place of celery. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00, postpaid.



OXHEART CARROT

PREMIUM FLAT DUTCH.—This old and well-known variety is still a standard winter cabbage. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

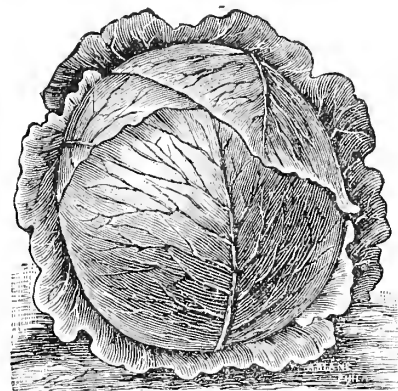
IOWA SEED COMPANY'S SHORT STEM DRUMHEAD.—For sureness in heading, regularity of growth and even, large, solid heads, it far surpasses any other strain of late cabbage. It ripens evenly, with very short stem or stock, and large, thick heads. Silky fine quality. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00, postpaid.

PERFECTION DRUMHEAD SAVOY.—Has curled and crumpled leaves and is of finer flavor than ordinary cabbage. For salads and kraut the Savoy will give a richer flavor than common kinds. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.

MAMMOTH RED ROCK.—Is the largest of the red cabbage. Solid, heavy and a good keeper. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.



FROST PROOF CABBAGE PLANTS



DANISH BALLHEAD CABBAGE

SUREHEAD.—Makes a fine large, solid head with few outer leaves. Ripens a little earlier than Premium Flat Dutch. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

YELLOWS RESISTANT.—A variety of Hollander cabbage bred for resistance to the yellows disease. This strain should not be used except on ground where yellows is found. If the ground is "sick" you can still grow a crop by using this seed. Packet 15c; oz. 75c; $\frac{1}{4}$ lb., \$2.50, postpaid.

FROST PROOF CABBAGE PLANTS

Grown from fall planted seed, in the South. Produced in open fields, in winter, so that they grow slowly and become hardened to cold and slight frost. Can be set out in spring much earlier than hotbed or greenhouse plants. Mailed direct from the growers to you when you want them. Order any of the following early varieties: Charleston Wakefield, Early Jersey Wakefield, Early Flat Dutch, Copenhagen Market. Not less than 100 of a variety can be shipped. No plants sent out after May 1st. 60c per 100; \$2.00 for 500; \$3.75 per 1,000, postpaid.

CARROTS

One ounce for 100 feet of drill. Three or four pounds for one acre.

Carrot are one of our best vegetables for both summer and winter use. For early, sow in the spring as soon as ground can be worked, in drills fourteen inches apart, covering one-half inch. Thin plants to three or four inches apart in row. For field culture, sow seed from middle of April to first of June.

EARLY SCARLET HORN.—Favorite extra early variety. Top small, short, stump-shaped root. Grows well in any soil. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.65, postpaid.

OXHEART, or Guerande.—This is the standard garden carrot. Outyields all others. Easy to pull. Best quality, Good keeper. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

DANVERS.—Standard half-long variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

CHANTENAY.—Another good garden carrot. Is longer than the Oxheart, not so easy to pull. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

VICTORIA.—Largest carrot grown. Used for stock feeding. Roots very large. Large, light orange. Grows partly out of ground, making it easy to harvest. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00; 5 lbs. \$4.25, postpaid.

SWEET CORN

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being selected for seed.

EARLY SUNRISE.—Is a splendid new variety which we originated. It is undoubtedly the best extra early corn for either private gardens or market. The ears are larger than Golden Bantam and a few days earlier. This would be enough to make it very desirable, but it is also the sweetest of all early kinds, not having the peculiar flavor of Golden Bantam which is objectionable to some people. Gardeners when selling it on the market call it the white Bantam. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 30c postpaid. Not prepaid, 5 lbs. or more at 25c lb.

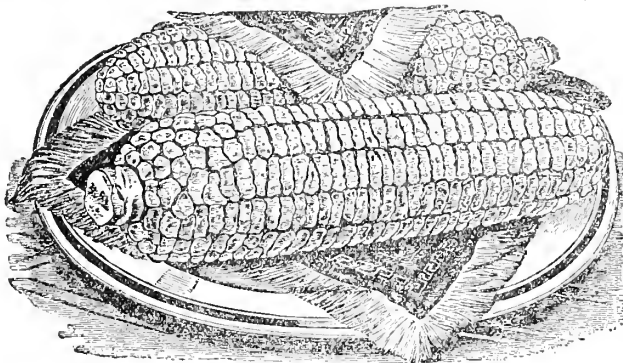
IMPROVED GOLDEN BANTAM.—A well known and quite popular sweet corn about 4 feet high. Well shaped ears which are golden yellow when ripe. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 30c. Not prepaid, any quantity at 25c lb.

CHAMPION EARLY.—Earliest large corn ever introduced, maturing only a few days later than the small eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 35c. Not prepaid, any quantity at 30c lb.

PHARAOH'S DREAM.—The most productive variety of sweet corn ever produced. Has two to four large, well filled ears on the stalk. A few days earlier than Stowell's Evergreen. In quality and flavor it is simply delicious. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 35c. Not prepaid, any quantity at 25c per lb.

COUNTRY GENTLEMAN.—Considered to be the highest quality corn. Very prolific; ears good size. Pure white, very deep grained and sweet. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c. Not prepaid, any quantity at 30c per lb.

IMPROVED STOWELL'S EVERGREEN.—The standard late sweet corn. Always satisfactory. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c. Not prepaid, any quantity at 25c per lb.



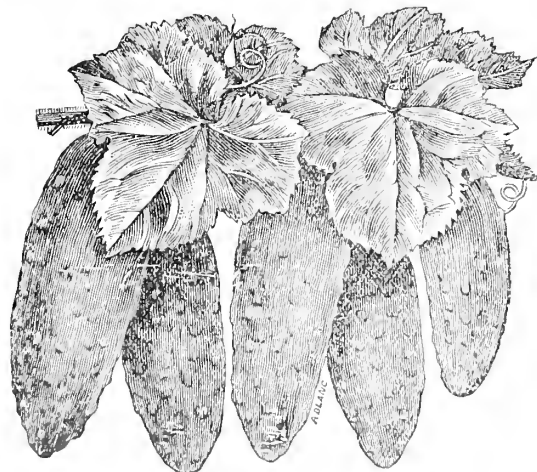
PHARAOH'S DREAM SWEET CORN

CHICORY

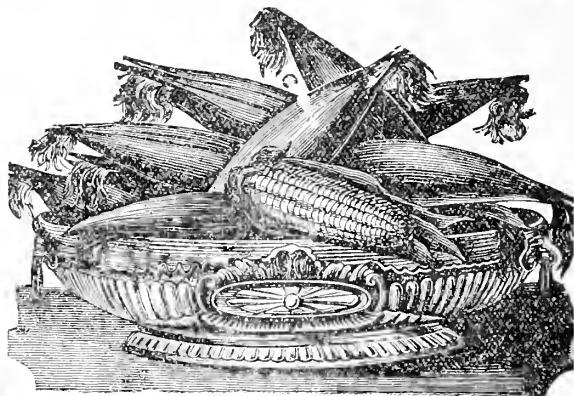
LARGE ROOTED.—Used as a substitute for coffee. Cultivated the same as carrots. When wanted for use it is roasted and ground like coffee. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 95c; lb. \$3.25, postpaid.

COLLARDS

Collards are very largely used for "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.60, postpaid.



EARLY CLUSTER CUCUMBER



EARLY SUNRISE SWEET CORN

POP CORN

AUSTRALIAN HULLESS.—The only pop corn worth while raising. Of highest quality, the best yielder and best seller. Our stock of this variety is pure. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 30c, postpaid. Not prepaid, 5 lbs. or more at 20c per lb.

QUEEN'S GOLDEN.—A golden yellow variety. Long ears. Looks rich when popped. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 30c, postpaid. Not prepaid, 5 lbs. or more at 20c per lb.

CUCUMBER

One ounce plants 50 hills, two lbs. one acre.

Cucumbers succeed best in a rich soil. When danger of frost is over, plant in hills four feet apart each way. For pickling, plant seed first week in July. Use air-slaked lime or slug shot for bugs.

EARLY CLUSTER.—A very desirable early variety. Prolific, good size and fine quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

PERFECT WHITE SPINE.—This improved strain is pronounced superior to all others. Fruit even, good size, straight, well formed and symmetrical. Color dark green when small, pure white when fully ripened. Immensely productive. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

IMPROVED CHICAGO PICKLE.—Medium in size, dark green in color. Originated by a pickle grower near Chicago. Considered the best variety for pickles. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

DAVIS PERFECT.—Everyone who sees the crop says they never saw anything to equal it. Dark, glossy, green, slim and symmetrical with an average length of 10 to 12 inches. Has no superior for pickles. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

IMPROVED LONG GREEN.—A well known standard variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.75, postpaid.

JAPANESE CLIMBING.—Will cling to fences or other support. Fine for limited space. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.00, postpaid.

WHITE WONDER.—A large, long-fruited variety of beautiful ivory white color. Quality is really superior, being crisp and tender and entirely free from any bitter taste. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.75, postpaid.

LEMON.—It is round and about the size of a baseball. Have flavor peculiarly their own. Superior to any, being crisp and tender and having none of the bitter taste. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.00, postpaid.

WEST INDIA GHERKIN, or Burr.—This is a very small variety of cucumber which makes a handsome pickle. When ready it is about as large as an English walnut, partly covered with spines. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.

CRESS

TRUE WATER.—Sow seeds along the running water. Pkt. 10c; oz. 45c; $\frac{1}{4}$ lb. \$1.60, postpaid.

UPLAND CRESS.—Perennial; hardy; produces well. Same flavor as Water Cress. Grows on high, dry land; does not seed soon. Pkt. 10c; oz. \$1.00, postpaid.

CHUFAS

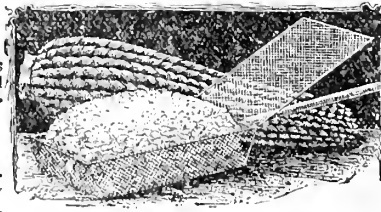
A nice little ground nut greatly liked by children. In flavor resembles the cocoa-nut. Very prolific. Plant in April 10 inches apart, in 2 $\frac{1}{2}$ -ft. rows. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.

COTTON

Start seed early and transplant. Has large, showy flowers, followed by ball of white cotton. Pkt. 5c; oz. 10c, postpaid.

CORN SALAD

Nice winter salad. Sow in September in drills. Cover in fall with straw or leaves. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.



QUEEN'S GOLDEN POP CORN

EGG PLANT

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground, two feet apart.

IMPROVED NEW YORK.—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white, of excellent quality. Very productive. Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$2.00; lb. \$6.00, postpaid.

ENDIVE

One ounce will sow about 60 square feet.

One of the best and most wholesome salads for fall and winter. Sow in April for early; in June or July for winter.

GIANT FRINGED.—Also called winter lettuce. Best of all. Strong, vigorous grower, making large white heart. Leaves are beautifully curled. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

GROUND CHERRY

IMPROVED YELLOW.—Ground cherries are a most excellent garden fruit. They have a delicious flavor of their own. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.40, postpaid.

LARGE PURPLE.—We can also furnish the old time purple ground cherry. Fruits are much larger than the yellow but not so rich in quality. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.40, postpaid.

**NEW YORK EGG PLANT****LETTUCE**

One ounce will sow 100 feet of drill.

Lettuce may be sown very thinly any time from early spring until the middle of August. The soil should be very rich. Lettuce may be transplanted like cabbage. Set the plants a foot apart in rows two feet wide. Cultivate often and you will be pleased with results.

EARLY CURLED SIMPSON.—The best known variety of garden lettuce. Beautiful light green, curled leaves. Can be sown from early spring to August. Always good. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

IMPROVED HANSON.—As a head lettuce the Hanson has no superior. Makes the most solid heads and is the surest to head of all lettuces. Stands heat well when grown outdoors and does well in hotbed or greenhouse. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

BLACK SEEDED SIMPSON.—This is the standard variety with market growers who grow lettuce under glass or in frames. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

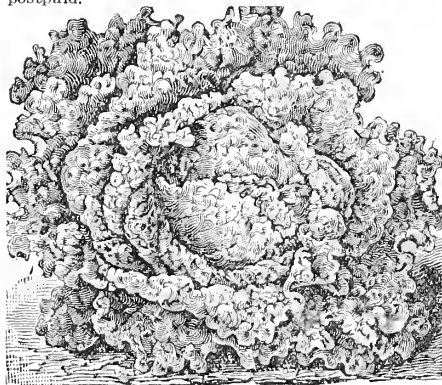
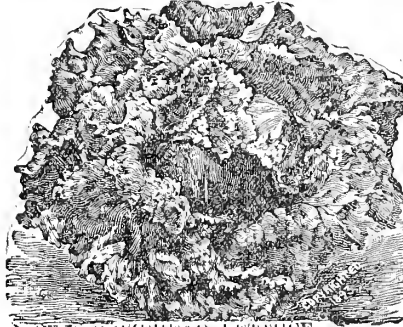
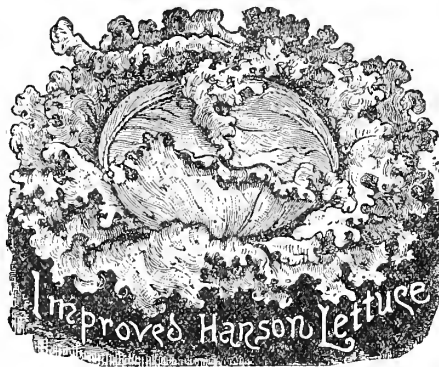
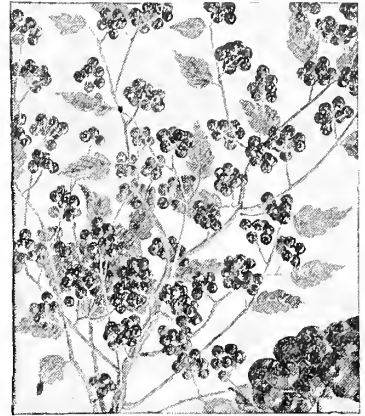
GRAND RAPIDS.—Claimed to be an improvement on the Black Seeded Simpson as a frame lettuce. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

NEW YORK.—A new sort producing immense heads, often 15 or 16 inches across. The interior is beautifully blanched, creamy white, crisp, tender and delicious. A sure header under most trying conditions. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.25, postpaid.

PRIZE HEAD.—Heads large and rather loose, with very good flavor. Leaves edged with reddish brown. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

CALIFORNIA CREAM BUTTER.—A cabbage lettuce with round, solid head. Inside leaves are very rich cream yellow color. Rich and buttery to the taste. Heads good size and compact. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00, postpaid.

MIXED LETTUCE.—A mixture of all the varieties listed. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00, postpaid.

**GRAND RAPIDS LETTUCE****PRIZEHEAD LETTUCE****Improved Hanson Lettuce****GARDEN HUCKLEBERRY****GARDEN HUCKLEBERRY**

Wonderfully productive and much easier to prepare than Wonderberry or Ground Cherry. Grows about three feet high and just loaded with clusters of berries, which are jet black when ripe. Make delicious pies, preserves and jams. Directions for cooking with each packet. Not edible when raw. Pkt. 10c; oz. \$1.00; $\frac{1}{4}$ lb. \$2.50, postpaid.

GOURDS

Cultivate like cucumbers. They may be trained over lattice work, fences, etc.

JAPANESE NEST EGG.—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best nest eggs. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c, postpaid.

DIPPER.—Makes a light, convenient dipper. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c, postpaid.

SUGAR TROUGH.—Very large and strong grower. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c, postpaid.

LUFFA, or Dishcloth.—Has a peculiar lining, making a natural dishcloth or sponge. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c, postpaid.

HERCULES' CLUB.—Grows to immense size—4 to 5 feet in length. Flesh is edible when green. Sold by some as Tasmanian Bean. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c, postpaid.

MIXED UTILITY.—Seeds of the above, mixed. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 65c, postpaid.

KALE

EXTRA CURLED MOSSBACK.—A most attractive variety; fine crossed leaves. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.50, postpaid.

KOHL RABI

Most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage.

GOLIATH PURPLE.—Of immense size. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 85c; lb. \$3.00, postpaid.

EARLY WHITE VIENNA.—The flesh is white and tender. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 85c; lb. \$3.00, postpaid.

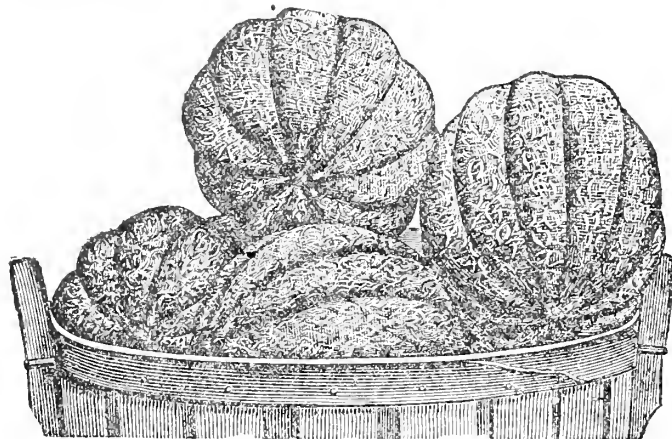
LEEK

LARGE ROUEN.—Largest and most uniform sort. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 65c; lb. \$2.00, postpaid.

MUSKMELONS

One ounce will plant about 80 hills, 2 lbs. to the acre.

Muskmelons require a rich, well-drained soil. Plant as early as safe from frost. Cultivate until vines cover the ground. Plant in hills 4 to 6 feet apart. Use plenty of seed.



IMPROVED GREEN NUTMEG MUSKMELONS

EMERALD GEM.—Finest in flavor and the earliest to ripen. Too soft to stand shipping any great distance. Unequaled for home use or nearby markets. Very prolific. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

BURRELL GEM.—A truly delicious melon about the size and shape of Rocky Ford, but has rich golden yellow flesh of most delicious flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

THOROUGHbred ROCKY FORD.—This is the melon that made Rocky Ford famous. Flesh thick, of light green color and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from the best melon grower at Rocky Ford. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

IMPROVED GREEN NUTMEG.—The best of the green fleshed sorts. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

OSAGE.—Flesh salmon color, sweet and spicy, very thick and delicious. Medium size oval. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.50, postpaid.

ENORMOUS.—Grows to immense size. Has been grown upward of 15 lbs. in weight. Flesh very thick, salmon colored and of better flavor than any other large melon. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 70c; lb. \$2.25, postpaid.

BANANA.—Attain a length of from $1\frac{1}{2}$ to 3 feet; 3 to 4 inches thick. Has a pleasing flavor, peculiar to itself. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.40, postpaid.

CASABA, or Winter Melon

HONEY DEW.—Flesh is light green and sweet as honey. The rind is straw yellow in color, smooth as an egg and hard. Keeps good for months in a cool place. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 65c; lb. \$2.00, postpaid.

WATERMELONS

One ounce is required for forty hills. Three pounds will plant an acre.

GOLDEN SWEET.—The Golden Sweet is a most delicious and fine flavored melon, unsurpassed for sweetness. Skin is dark green. Shape oblong, averages about 20 lbs. Rind very thin but hard and will carry without cracking. Flesh old gold yellow. When cut it presents a rich, attractive appearance. This is without exception the highest quality watermelon in the list, and this is true of every melon in the field. We have never yet found a poor melon. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

COLE'S EARLY.—Very early and will mature farther north than most sorts. Of medium size; very attractive. Flesh bright red. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

PEERLESS, or Ice Cream.—Very early, medium size, thin rind, flesh bright scarlet. Great home market melon. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

MONTE CRISTO, or Kleckley's Sweet.—A wonderful popular variety. We do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons. Flesh bright red, rich, crisp and pleasant flavored. It ripens early, is of good size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

ORANGE.—A new variety. Bright red flesh. Medium late. Peels like an orange. Not extra sweet but good quality and never a poor one in the field. You should try the Orange melon. Pkt. 15c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.

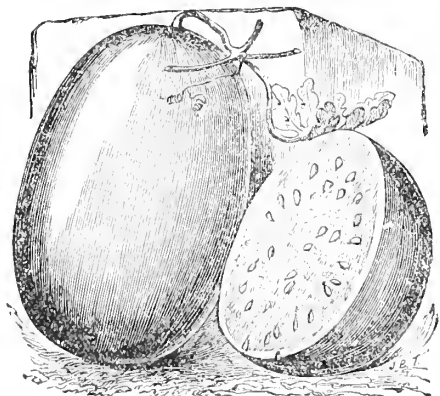
TOM WATSON.—The leading market melon. You seldom see any other variety offered. Hardy, good quality, good shape, large size and always solid. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.

SWEETHEART.—A large round melon with a light colored rind. Splendid quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00, postpaid.

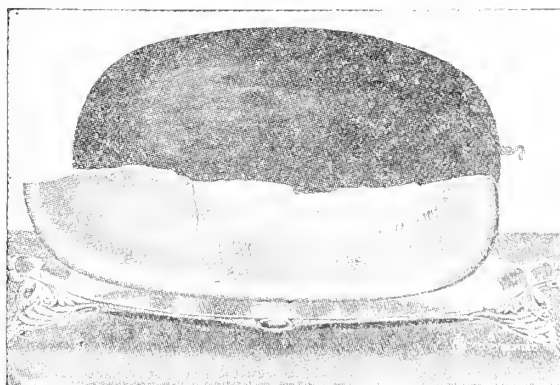
HALBERT HONEY.—Has no equal as a home or nearby market melon but will not stand much handling. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25, postpaid.

IRISH GREY.—New variety best described as light rind Tom Watson. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.25, postpaid.

MIXED WATER MELON.—As the seasons vary, some varieties of melons do better than others. By planting mixed watermelons, you get a good crop every year. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.



CITRON MELON



GOLDEN SWEET MELON

CITRON MELONS

Better than melon rinds for preserving.

APPLE PIE.—The flesh is white, solid throughout and of excellent quality for making pies, preserves, etc., and resembles apples in flavor. They keep nice and fresh all winter, and any surplus can be fed to the live stock. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 65c; lb. \$1.75, postpaid.

RED SEEDED CITRON.—Is round, dark green, striped and mottled with light green. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

MUSTARD

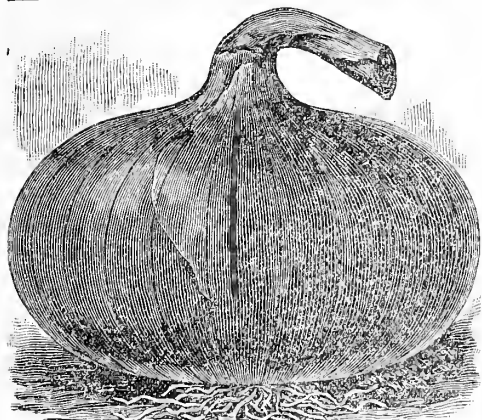
OSTRICH PLUME.—Its leaves are long, ruffled, frilled and curved gracefully as ostrich plumes. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00, postpaid.

SOUTHERN GIANT CURLED.—This is the true curled leaf variety so popular in the South for fall planting for early spring salad. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.

WHITE ENGLISH.—Its seed used for culinary purposes. Pkt., 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.

VINE PEACH

A splendid novelty, introduced by us. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Recipes for preparing for the table will be sent with each order. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00, postpaid.



LARGE RED WETHERSFIELD ONION

ONION SETS

BOTTOM ONION SETS.—Produce the best quality of young green onions. Somewhat later than winter sets but much milder in flavor.

WHITE BOTTOM SETS.—35c per lb.; 3 lbs. for \$1.00, postpaid. Not postpaid, peck \$1.50; bu. \$4.50.

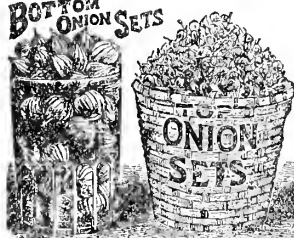
RED BOTTOM SETS.—35c per lb.; 3 lbs. for \$1.00, postpaid. Not postpaid, peck \$1.50; bu. \$4.25.

YELLOW BOTTOM SETS.—35c per lb.; 3 lbs. for \$1.00, postpaid. Not postpaid, peck \$1.50; bu. \$4.25.

POTATO ONION SETS.—A species of Multiplier onion, increasing from bulb. ½ lb. 20c; lb. 40c; 3 lbs., \$1.10, postpaid.

PERENNIAL, or Winter Sets.—Shipment after August 1st. Also called Egyptian or Tree Onions. Usually set in fall. Produce earliest spring onions. Do not make large bulbs. 30c per lb.; 3 lbs. 85c, postpaid. Not postpaid, peck \$1.00; bu. \$3.00.

BOTTOM ONION SETS

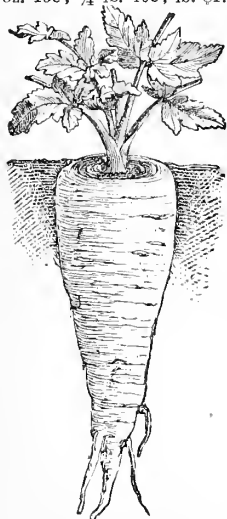


POTATO ONION SETS

OKRA

EARLY PROLIFIC.—The earliest and most prolific. Just the sort for the North. The numerous pods are thick fleshed and keep coming until frost. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid.

WHITE VELVET.—Pods are round and smooth, of attractive appearance. Plants dwarf. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid.



PARSNIP

One ounce will sow 200 feet of drill. Five pounds will sow an acre in drills.

Sow early in spring in good, rich soil, which has been plowed deep, in drills 14 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by freezing.

IMPROVED GUERNSEY.

—A greatly improved and wonderfully fine strain of the Guernsey Parsnip. The roots are smooth, fine-grained and will cook as quick as potatoes. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid.

HOLLOW CROWN.—An old standard and still good. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

IDEAL WEEDER
25c each, postpaid.

PARSLEY

One ounce will sow 150 feet of drill.

Sow early, thinly, in drills 1 ft. apart, ½ inch deep. For winter use, protect in glass frame or light cellar.

MARKET GARDENER'S.—An extra choice stock with dark green curled, mossy leaves, very productive. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25, postpaid.

CHAMPION MOSS CURLED.—Very select stock, finely crimped and curled. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00, postpaid.

HAMBURG.—Turnip-rooted variety, used for flavoring soups. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25, postpaid.

PEANUTS

EARLY SPANISH.—This variety can be grown and will ripen in Iowa. The nuts are not quite as large as southern varieties but are very prolific. Cultivate thoroughly until they begin to blossom, then let them alone. Dig after frost. Pkt. 10c; lb. 40c; 3 lbs. \$1.00, postpaid.

ONIONS

Good onion seed is of the utmost importance as it is one of the most important crops grown. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed.

Our onion seed is American grown and we are sure no better onion seed is produced. You need not sow thick to be sure of a stand when you use our onion seed. We appreciate the anxiety on the part of the onion grower about the quality of the seed and we will not disappoint you.

EXTRA EARLY BARLETTA.—The very earliest onion in cultivation. They are of a pure white color, and in size grow 1 to 1½ inches in diameter. For table use and pickling it is most valuable. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00, postpaid.

LARGE WHITE GLOBE.—Market variety. Beautiful, clean, pure white bulbs. Large, even size, globe shape. Undoubtedly the best white sort. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50, postpaid.

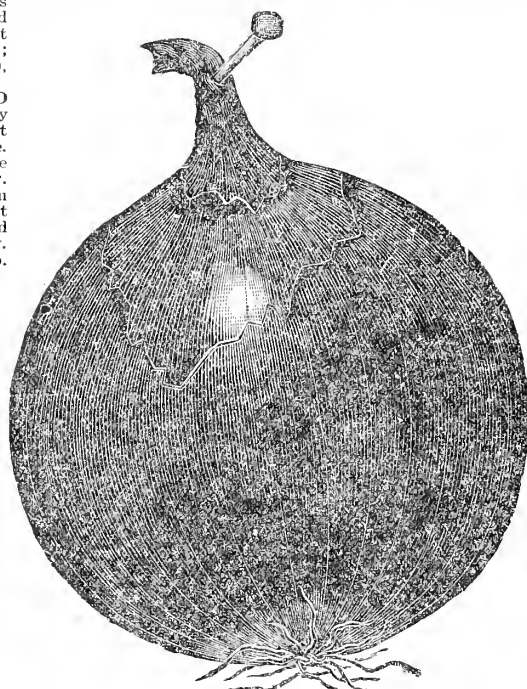
MAMMOTH SILVER KING.—The largest pure white onion, no other approaching its mammoth size. Slightly flattened but thick through. Often weighs over 2 lbs. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

GOLDEN GLOBE.—Offered by us as the very best yellow, globe-shaped onion for general culture. Always uniform in shape, size and color. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

MAMMOTH PRIZETAKER.—One of the largest and handsomest of yellow onions, of a clear, bright straw-color and uniform perfect globe shape. Produces enormous crops. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00, postpaid.

LARGE RED WETHERSFIELD.—Is the standard sort throughout the country, the easiest to grow and the surest to make a good crop. Of finest form, skin deep purplish red. The flesh is finely grained. Our seed is extra select and cannot be excelled. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

SOUTHPORT RED GLOBE.—This is a very handsome variety and it grows to a large size. Skin deep red, flesh fine grained, mild and tender. It is steadily increasing in popularity as the market is demanding globe-shaped onions more than formerly. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.



SOUTHPORT RED GLOBE ONION



SPANISH PEANUTS



PEPPERS

One ounce will produce about 1,800 plants. Sow seed in hotbed early in spring; transplant to open ground when weather is favorable. Seeds germinate slowly. Require considerable heat.

CORAL BOUQUET.—Very small, bright red, and very hot. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.25, postpaid.

RED CHILI.—Small, long fruit but very hot. Used for pepper sauce. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.60, postpaid.

SUNNYBROOK.—This is in every respect the best of the pimento class of sweet peppers. In shape it is almost a globe, somewhat dented at the stem. A bright red in color, about $2\frac{1}{2}$ inches in diameter and is the thickest fleshed pepper we have yet seen. Very sweet, of excellent flavor and not a trace of pungency. Plants grow nearly two feet high, well branched and heavily laden with fruits. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.25, postpaid.

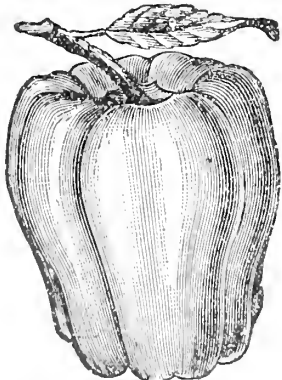
PIMENTO.—A new and distinct pepper. Perfectly sweet. Does not ripen this far north. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

CHINESE GIANT.—Most gigantic of all giant peppers. A fine, mild pepper of enormous size, and brilliant glossy scarlet color. Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$2.00, postpaid.

RUBY KING.—The standard variety for mangoes or sweet pickles. Fruits large, uniform, thick meat and smooth. Very pleasant, mild flavor. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

KALEIDOSCOPE.—A very ornamental sort. The small fruit changes from cream color to a deep, shining scarlet. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.25, postpaid.

MIXED PEPPERS.—A mixture of the above and other fancy varieties. Fine for exhibition. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.60, postpaid.



CHINESE GIANT PEPPER

PEAS

One pound will plant about fifty feet of drill.

May be sown as early as the ground can be worked and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing. Wrinkled varieties are marked *.

ALASKA.—Height 2 feet. The pods are rather small, dark green color, well filled. The earliest pea known, being earlier than Pedigree Extra Early. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c, postpaid. Not prepaid, any quantity at 30c per lb.

PEDIGREE EXTRA EARLY.—After a trial of all extra early varieties we have not found one possessing more merit. Height 18 inches. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c, postpaid. Not prepaid, any quantity at 30c per lb.

***LITTLE MARVEL.**—Strong vine about 15 inches high. As early as American Wonder. More productive. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c, postpaid. Not prepaid, any quantity at 35c per lb.

***AMERICAN WONDER.**—Popular extra early variety for family garden. Produces a profusion of good-sized, well-filled pods of finest flavored peas. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c, postpaid. Not prepaid, any quantity at 30c per lb.

***NOTT'S EXCELSIOR.**—This is an improved Premium Gem. The improvement is in size of pods and productiveness. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

***GRADUS, or Prosperity.**—This remarkable pea is not only large and of best quality, but it is nearly as early as the small early sorts. Pods bright green color and measure 4 inches or more in length. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c, postpaid. Not prepaid, any quantity at 30c per lb.

***EVERBEARING.**—Fine for main crop. Grows about 2 feet high, strong and vigorous. Does well without support. Continues to grow and produce pods of good size. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

***IMPROVED STRATAGEM.**—Noted for the immense size of pods and peas. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

***CHAMPION OF ENGLAND.**—Well known standard sort; grows 4 to 5 feet high and requires support, but fine quality and large crop produced more than repays any extra labor required. 2 oz. pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c, postpaid. Not prepaid, any quantity at 30c per lb.

MAMMOTH LUSCIOUS SUGAR.—The largest of the edible pod varieties. Grows tall and requires support. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c, postpaid. Not prepaid, any quantity at 35c per lb.

POMEGRANATE

An interesting little orange and brown, spotted melon, very ornamental and highly scented. Add a few to your ripe cucumber sweet pickles. The flavor is delicious. Also called Queen Ann melon. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$2.75, postpaid.

PUMPKIN

One ounce will plant 25 hills; 4 lbs. will plant one acre.

The best and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with corn, and do not seem to interfere in the least. They are valuable for feeding stock, and what is Fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, 2 lbs. will plant one acre.

YANKEE PIE.—The noted New England Pie or Small Sugar Pumpkin. Very sweet, fine grained and one of the best varieties for table use. Early. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

LARGE CHEESE.—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." Flat shaped with creamy buff skin and thick golden flesh. Can be grown in the corn like the common cow pumpkin. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c, postpaid. Five lbs. by express or freight at 50c per lb.

GOLDEN RUSSET.—Also called Winter Luxury. Golden yellow, netted or russeted over surface. Small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50, postpaid.

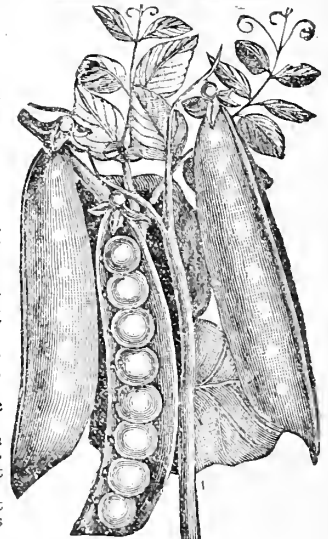
GOLDEN CUSHAW, or Jonathan.—Large size, crooked neck shape of clear old gold color. Flesh is solid, of deep orange color and very rich. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50, postpaid.

JAPANESE PIE.—This is similar in size and form to the Cushaw but the skin is deep green. Seeds are marked on both sides with curious indentations resembling the Japanese alphabet. Very odd. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50, postpaid.

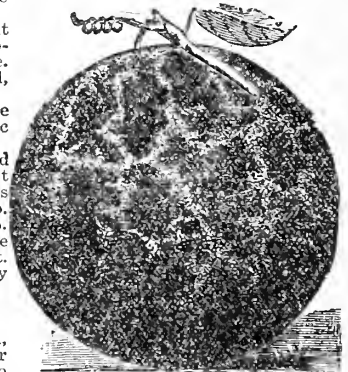
KING OF MAMMOTS.—Very large, bright yellow, fine-grained and of good quality. Grown for exhibition purposes. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.00, postpaid.

NEW ATLAS.—The largest of them all. Grows to almost fabulous size and weight. Our seed is from the largest sized, perfect shaped specimens. Just the thing for exhibition. Flesh rich yellow, very thick. Profitable to grow for stock feeding. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.00, postpaid.

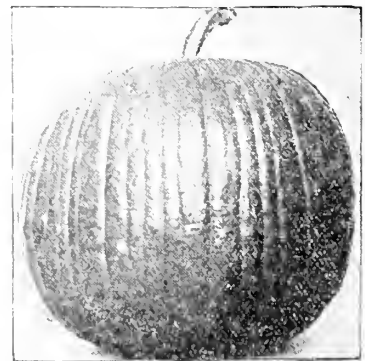
CONNECTICUT FIELD.—The common field or cow pumpkin. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. by mail 75c. Not prepaid, 10 lbs. \$6.00.



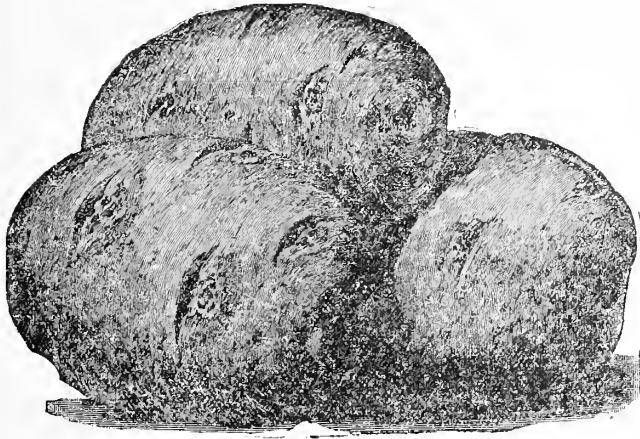
NOTT'S EXCELSIOR PEAS



POMEGRANATE



YANKEE PIE PUMPKIN



SEED POTATOES

EXTRA EARLY OHIO

It is an especial favorite with marketmen, and the most profitable they can grow. On account of early maturity you get the highest market prices. Will keep firm until late in the spring. Frequently sold under the name Early Six Weeks. See Red Ink List for prices.

EXTRA EARLY TRIUMPH

A popular first early variety. This is the round, red potato which is generally in our markets as new potatoes early in spring. The color is bright red. See Red Ink List for prices.

IRISH COBBLER

Has the form and color so popular in the market. Is prolific and profitable to the grower and has become a much prized variety. Matures as early as the Ohio, and is preferred because it is smooth and round in shape and of cream white color. Eyes well developed and slightly indented. See Red Ink List for prices.

RURAL NEW YORKER

Preferred by large buyers because it is large, unusually smooth, with few and shallow eyes, skin white as is also flesh, which is of good quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. See Red Ink List for prices.

SEED SWEET POTATOES

Thrive on any of the loam soils of the Middle West, and do specially well on sandy ground. We usually ship from April 12th to 20th and notify customers when we start them.

EARLY YELLOW JERSEY.—Holds first place. Earliest and most productive; of large, short, chunky shape and of best quality. 10 lbs. \$1.25; one bushel basket, \$3.25.

NANCY HALL.—A variety originated in the South. Flesh is dark colored and cooks a bright orange. Splendid for baking and is extra sweet and full of sugar. 10 lbs. \$1.25; one bushel basket \$3.50. Ask for prices in quantities.

BERMUDA ONION PLANTS

These plants are grown from seed planted in Texas last fall. The young green plants are shipped to us and are ready to be transplanted and continue to grow. They should be planted early as they will stand a light frost.

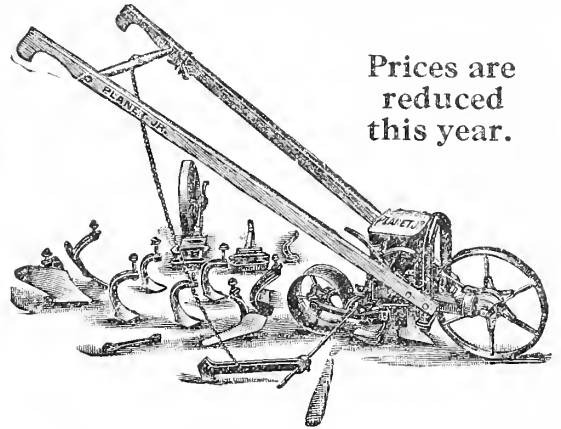
These plants produce the large sweet onion that you often see on the market.

Plants are guaranteed to arrive in good condition. Prices: 100 for 35c; 500 for \$1.25; 1000 for \$2.00, postpaid.

In full crates of 6,000 plants, shipped fresh, direct, from the Texas growers, not prepaid, \$5.00 per crate.

Tools and Implements

Send for Planet Jr. complete catalogue mailed free.



Prices are
reduced
this year.

NO. 25 COMBINED SEEDER, DOUBLE AND SINGLE WHEEL HOE.—This tool combines a first class hill-dropping seeder, a perfect drill seeder and when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price \$21.50.

PLANET JR. NO. 3 HILL AND DRILL SEEDER.—A drill only. Style like No. 25. Price \$17.50.

PLANET JR. NO. 12 DOUBLE WHEEL HOE.—A double and single wheel hoe in one. Price \$10.75.

PLANET JR. NO. 16 SINGLE WHEEL HOE.—Has a great variety of attachments. Price \$9.00.

PLANET JR. NO 17 SINGLE WHEEL HOE.—Same as No. 16 but has one pair 6-inch hoes, three cultivator teeth and large plow. Price \$7.75.

PLANET JR. NO. 18 SINGLE WHEEL HOE.—Same as No. 16 but has one pair 6-inch hoes only. Price \$5.75.

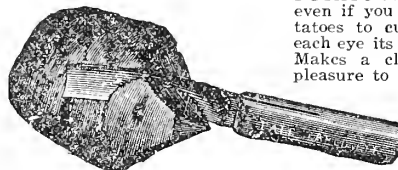
PLANET JR. NO. 8 COMBINED HORSE HOE AND CULTIVATOR.—Opens and closes furrows, hoes right up to the plants without danger of injury. Price \$9.00.

PLANET JR. NO. 90 TWELVE-TOOTH HARROW AND PULVERIZER.—Price \$18.00. NO. 90-B (Less pulverizer) \$14.75. The chisel-shaped teeth go deep or shallow, as you like.

PLANET JR. HAND FERTILIZER DRILL NO. 20D.—This improved machine is a great money maker for the market gardener or onion grower. Fertilizer can be applied before seeding or as a side dressing later. Sows accurately from 100 to 1,000 lbs. per acre. Applies right and left down center of row, or all at one side as preferred. Price, \$27.00.

Send for Planet Jr., complete catalog, mailed free.

CONCAVE AND CURVED SEED POTATO KNIFE.—Will pay for itself even if you have only a bushel of potatoes to cut. Allows the giving of each eye its full portion of the potato. Makes a clean, small cut. It is a pleasure to use it. 25c each postpaid.



EUREKA POTATO PLANTER.—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and corn equal to any corn planter. Price \$1.50. By express.

EXCELSIOR WEEDING HOOK.—Can be used to advantage among small and tender plants.

By parcel post each 25c, dozen \$2.50; by express 20c; dozen \$2.25.

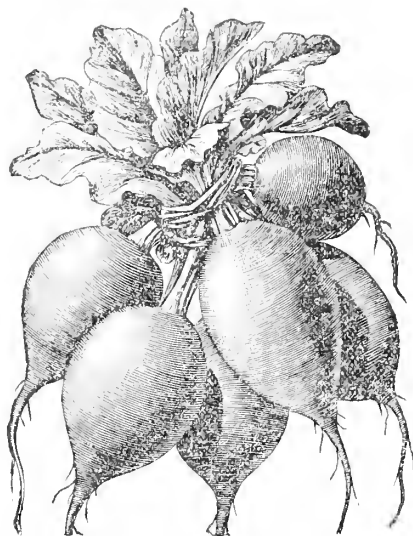


EUREKA POTATO PLANTER

RADISH

One ounce will sow 100 feet of drill. Eight to ten pounds will sow one acre in drill.

EARLY BIRD.—Decidedly the earliest of radishes. It is of round or turnip shape, of bright scarlet color and pure white flesh. It has few and short leaves. Very desirable for the home garden and for market. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.



EARLY SCARLET GLOBE RADISH.

EARLY SCARLET GLOBE.—This is the standard early round red radish. Of handsome color, crisp, juicy and tender. Is the gardeners standby for first early radish. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c, postpaid.

FRENCH BREAKFAST.—Of medium size and olive shape, with small top. Quick growth, beautiful scarlet color, shading to white at the tip. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

CHINA ROSE WINTER.—A bright rose-colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

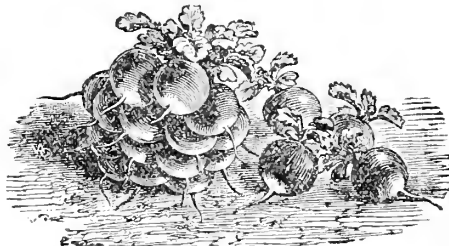
WINTER RADISH

CRIMSON GIANT.—A rapid growing variety, developing roots of beautiful deep crimson, perfect in shape and more than double the size of any other forcing variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

VIOLET QUEEN.—A small round or turnip-shaped variety of a beautiful violet-purple color, shading to white near the tip, thus giving it a very pleasant aspect. It is very showy on the table. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50, postpaid.

ICICLE.—A splendid variety of almost transparent whiteness. It is one of the most popular sorts in the entire list. There is no variety that grows more uniform in type and there are none that surpass it in quality. We recommend it as the best. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

EARLY LONG SCARLET, or Short Top.—An old standard variety of quick growth, long, slender root. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c, postpaid.



SPARKLER RADISH

SPARKLER.—This is a new extra early, white tipped, round radish. It is distinct in that the white tip is larger and more pronounced than in any other sort. The contrasting colors give a most attractive appearance. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

WHITE STRASBURG.—Of handsome, oblong shape, both skin and flesh being pure white. Excellent for summer use. Very popular because it remains fit for use a long time and does not get pithy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c, postpaid.

MIXED RADISH.—Our mixture of about one dozen kinds contains all shades and shapes. One sowing does for the whole season, as they come early, medium and late. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

LONG BLACK SPANISH.—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

SPINACH

One ounce to 80 feet of drill; 10 lbs. will sow one acre.

Makes the finest "greens" of any plant in cultivation. For summer sow early in spring in deep, rich soil, one foot apart in drills; cover one inch. Sow at intervals of two weeks all summer. For very early use sow in September and protect.

NEW ZEALAND.—This is a variety of great merit. It is of the "cut and come again" type of plants. It is ready to use by the time the early spinach has gone to seed and will continue to grow and produce its clusters of thick leaves until frost. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.75, postpaid.



NEW ZEALAND SPINACH

LONG STANDING.—This is standard with gardeners. The leaves are fleshy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid.

VICTORIA.—A variety distinguished for its very long standing qualities. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid.

BLOOMSDALE.—S a v o y - leaved, curled sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid.

SALSIFY, or Vegetable Oyster

One ounce sows 50 feet of drill.

It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in the winter, when the

supply of really good vegetables is limited. It has the true oyster flavor and is delicious substitute for them in soup, etc. Cultivate like parsnips.

MAMMOTH SANDWICH ISLAND.—The best variety. The roots are white, smooth and of superior quality. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c; lb. \$2.75.

RHUBARB

One ounce will produce about 100 plants.

Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin to six inches apart; transplant in the fall or spring to permanent beds three feet apart each way.

WINEPLANT, or Strawberry Rhubarb.—The finest and richest flavored rhubarb. Stalks are smaller than other sorts, of a bright red color, and cook red, making a most appetizing dish. Prolific and good for all summer. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00, postpaid.

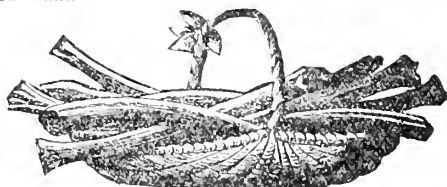
VICTORIA.—The standard variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

IDEAL MAMMOTH.—The largest pie plant. Leaves four feet across; stalks three inches in diameter and three feet long. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

RHUBARB ROOTS

Purchase roots, as you can save one year's time in this way. The roots we offer are large divided plants. Plant spring or fall, setting three feet apart.

We can supply plants of all three varieties listed above. Specify variety you want.



VICTORIA RHUBARB

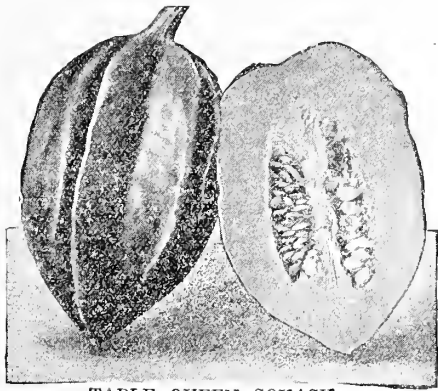


TABLE QUEEN SQUASH

EARLY PROLIFIC MARROW.—Early and productive; in color brilliant orange-red. Good cooking and keeping qualities. Ripens earlier than the Hubbards and is useful as an early fall variety. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

TRUE HUBBARD.—This is the most popular winter squash grown. Hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and rich flavor; keeps in perfect condition throughout the winter. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.25, postpaid.

TURNIP

One ounce will sow 150 feet of drill; 2 pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower if possible.

EARLY WHITE MODEL.—The handsomest and earliest. Fine grained and sweet. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25, postpaid.

EXTRA EARLY PURPLE TOP MILAN.—Much like the above but has purple top. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25, postpaid.

WHITE EGG.—A quick growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. The flesh is very sweet. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

GOLDEN BALL, or Orange Jelly.—A beautiful bright yellow fleshed turnip of medium size and universally sweet and delicious flavor. Flesh extremely firm and solid. If you have never tried yellow turnips, we advise you to plant Golden Ball this year. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid.

PURPLE TOP GLOBE.—The largest yielder of any turnip on the list. True to its name in shape and color. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 60c, postpaid. Not prepaid, 5 lbs. or more, at 50c per pound.

PURPLE TOP STRAP LEAVED.—The standard for late planting. Of good size, flat shape, pure white below with purplish red top. Excellent keeper. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c, postpaid. 5 lbs. or more, not prepaid, at 45c per lb.

RUTA-BAGA

Also called "Swede" turnips. A splendid table vegetable, also grown for stock feeding. Superior to turnips in quality. Sow in June in drills 2 feet apart; thin out to eight inches.

IMPROVED AMERICAN.—Very solid, good shape, smooth skin, small neck, keeps well. A choice strain of very best quality for table use or stock feeding. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. 90c.

GARDEN PLANTS

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many believe if these well known remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people.

CALAMUS.—Plain Leaf.—(Acorus.) Also called "Sweet Flag." The roots are the part used and have a pleasant, aromatic taste. Each 15c; doz. \$1.50, postpaid.

CHIVES.—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. The tops appear very early in spring and can be shorn throughout the season. Roots per bunch 15c; 3 for 40c, postpaid.

HOP ROOTS.—(Golden Cluster.) A fine variety of commercial hops. The vines are very ornamental when trained over rockeries, stumps, etc., with the added value of usefulness from the crop produced. Each 25c; 3 for 50c; doz. \$1.50, postpaid.

MONARDA DIDYMA.—Also called Scarlet Bergamot and Oswego Tea. Not only useful as an herb, but very ornamental with bright scarlet flowers. Each 15c; 3 for 40c; doz. \$1.25, postpaid.

PEPPERMINT.—All children know and like the flavor of peppermint. It has a high medicinal value. Any pantry collection of dried herbs is incomplete if it does not contain some. Be sure that your order calls for at least a few plants. Each 15c; 3 for 40c; doz. \$1.40, postpaid.

SQUASH

One ounce of early varieties will plant about forty hills, 2 lbs. per acre. One ounce late varieties will plant about twenty hills, 4 lbs. per acre.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

TABLE QUEEN SQUASH.—Introduced by us, and listed for several seasons under the name Des Moines Squash. Vines are vigorous and very productive. Just the right size, averaging 6 inches long and 4 inches in diameter. Color dark green, shell hard, smooth and rigid. Just wash it clean, cut in half, take out the seeds, bake twenty minutes and you will have the nicest squash you ever tasted. Splendid for pies. Ripens in

the fall. Pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.25, postpaid.

GOLDEN BUSH.—The earliest of all and quite a favorite with all who like summer squash. Bright golden yellow color and of excellent quality. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

WHITE BUSH SCALLOPED.—Like Golden Bush. Sometimes called "Patty Pan." Differs from the Golden Bush in color only. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

EARLY BUSH CROCKNECK.—Splendid, early, productive and of fine quality. No summer squash superior to this. Shape long, with curving neck; skin warted. Pkt. 5c; oz. 25c; ¼ lb. 50c; lb. \$1.25, postpaid.

PEERLESS VEGETABLE MARROW.—In England they consider this far superior to squash. Peerless is the most desirable sort. Of excellent flavor. Pkt. 5c; oz. 15c; ¼ lb. 55c; lb. \$1.50, postpaid.

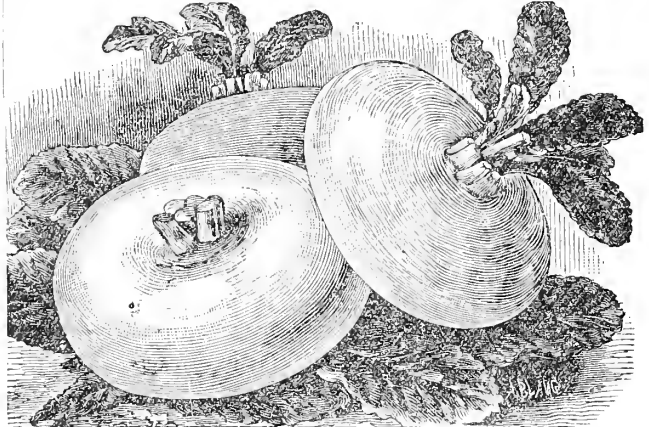
GOLDEN HUBBARD, also called Red Hubbard.—A counterpart of the old Green Hubbard, except in color, which is bright, deep orange-yellow. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.25, postpaid.

SYME'S BLUE HUBBARD.—A new strain of Hubbard. Color clear, light blue; thick shelled and a good keeper. Pkt. 10c; oz. 25c; ¼ lb. 55c; lb. \$1.40, postpaid.

BANANA.—A distinct variety of fall and winter squash. Very prolific, grows to 2 feet or over in length; very fine grained, heavy. Cooks dry but free from "chokey" quality common to winter squashes. Always rich, sweet and splendid flavor. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.25, postpaid.

SPEARMINT.—Commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meat, etc. Each 25c; 3 for 40c; doz. \$1.00, postpaid.

GARLIC.—Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. It is quite pungent and is used for flavoring soups, stews, etc. Per lb. 70c postpaid. By express, 5 lbs. or more at 40c per lb.



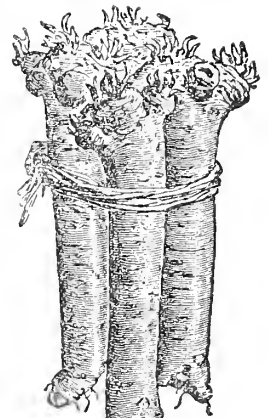
EARLY WHITE MODEL TURNIP

HORSE RADISH

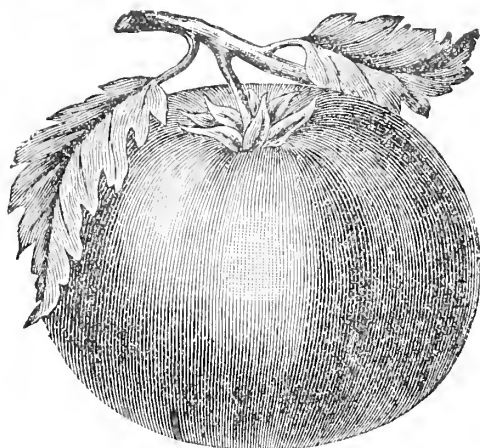
Grow it in your own garden and grate fresh. Plant the sets small end down in rows 3 feet apart, about 12 inches apart in the row. It does best in rich, loose soil covered about two or three inches. Price, crown sets 50c per doz.; \$2.50 per 100, postpaid. Root cuttings 25c per doz.; \$1.50 per 100, postpaid. Ask for price in large lots.

VEGETABLE PLANTS

We will have a full line of these in the spring and a price list will be issued in March. If interested in planting large lots, let us quote you special prices.



HORSE RADISH SETS



SUPERLATIVE TOMATO

TOMATO

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to 4 or 5 inches apart. When all danger of frost is past, transplant to the open ground, 4 to 6 feet apart each way. Our tomato seed is saved from hand-picked fruits. No decayed or deformed tomatoes are used.

BONNIE BEST.—A very early and desirable variety. The fruits are most attractive in shape, solidity and color, which is bright scarlet from outside to center. Ripens more uniformly than other early sorts. A favorite with market gardeners. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

JOHN BAER.—This variety is offered as one of the earliest for home and commercial use. In our fields we have found it to mature about the same time as Bonny Best. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

DWARF CHAMPION.—Also called Tree Tomato. Plant is dwarf and compact, stem stiff and short jointed, almost self-supporting when it is laden with fruit. Early. Color purplish pink. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.10; lb. \$4.00.

MATCHLESS.—Well worthy of its name for in beauty, color and symmetry of form it is without a peer. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

SUPERLATIVE.—The best of all the main crop tomatoes. Fruits are medium size, very solid and without exception the best flavored red tomato we have ever grown. It is very handsome, being a pinkish crimson in color. While we grow many other varieties on our Seed Farm our women folks use Superlative in preference to any other. Pkt. 10c; oz. 50c.

LIVINGSTON'S BEAUTY.—A standard variety that always gives satisfaction. In color it is purplish red. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.10; lb. \$4.00.

PONDEROSA.—A well known variety, rather late to mature. Fruits are very large and solid, of purple color. Inclined to be irregular in shape. Pkt. 10c; oz. 45c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.50.

GOLDEN QUEEN.—Large yellow. Its fruit is smooth and of finest flavor. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.10; lb. \$4.00.

MARGLOBE.—A main crop variety. Solid, good flavor, rank grower, requiring more space than other varieties. Medium size, smooth red and globe shape. A large yielder in any section. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. \$6.00, postpaid.

PRESERVING TOMATOES

GOLDEN NUGGET.—Has no equal as a preserving tomato. Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75, postpaid.

YELLOW PEAR.—Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.00, postpaid.

CRIMSON CURRANT.—A most charming little fruit of bright crimson color; borne in long clusters about the size of currants. Pkt. 10c; oz. 60c, postpaid.

GRAND TOMATO TRIO

THE THREE MAJESTICS—RED, PINK OR YELLOW

One packet each of the three Majestics for 25c.

We have been featuring our three Majestics for several years and are selling more seed each year. They are certainly the last word in size and quality for main crop. They grow to immense size, are perfectly solid. Splendid quality, very few seeds and cannot be beat for canning. Each of the above, pkt. 10c; oz. 60c. 1 pkt. of each, 25c; 1 oz. of each \$1.50, postpaid.

HERBS

In making up your assortment of seeds for the year, don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dry quickly.

ANISE.—Seeds of agreeable aromatic taste. Pkt. 5c; oz. 25c.

BALM.—For making balm tea. Pkt. 5c; oz. 25c.

BASIL, SWEET.—For flavoring soups. Pkt. 5c; oz. 15c.

BORAGE.—Leaves used for flavoring. Pkt. 5c; oz. 15c.

CARAWAY.—Seeds are used for flavoring bread, cookies, etc. Pkt. 5c; oz. 15c.

CATNIP, or Catmint.—For seasoning. Pkt. 5c; oz. 30c.

CORIANDER.—Seeds used in confectionery. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c, lb. 75c, postpaid.

CASTOR OIL PLANT.—Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb., 20c; lb. 50c, postpaid.

DANDELION.—For greens, also for medicine. Pkt. 5c; oz. 35c.

DILL.—Used in making dill pickles. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 80c, postpaid.

FENNEL, SWEET.—Leaves used in sauces. Pkt. 5c; oz. 15c.

HYSSOP.—For asthma and catarrh. Pkt. 5c; oz. 20c.

HOREHOUND.—For seasoning and cough remedy. Pkt. 5c; oz. 20c.

LAVERDER.—Used as a perfume. Pkt. 10c; oz. 25c.

MAJORAM, SWEET.—For seasoning. Pkt. 5c; oz. 20c.

POPPY, or Maw.—Blue seeded. Pkt. 5c; oz. 10c.

ROSEMARY.—Aromatic leaves for seasoning. Pkt. 10c; oz. 60c.

SAFFRON.—Flowers used for coloring. Pkt. 5c; oz. 20c.

SAGE.—Much used for dressing. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

SUMMER SAVORY.—Used for flavoring. Pkt. 5c; oz. 20c.

THYME.—Leaves used for seasoning. Pkt. 5c; oz. 40c.

WORMWOOD.—Used medicinally and also for poultry. Pkt. 5c; oz. 25c.

MIXED VARIETIES.—A mixture of all the above. A nice garden assortment. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 65c, postpaid.

MUSHROOMS

The spawn we offer is produced in this country and gives good results. Directions for culture sent on application. Per brick of 1 lb. by mail 40c. By express or freight, not prepaid, 5 bricks \$1.25, 10 bricks \$2.25, 100 bricks \$20.00.

CANNING CLUB COLLECTION

EIGHT CHOICE GARDEN FRUITS FOR PICKLING, PRESERVING AND CANNING

GROUND CHERRY.—A delicious garden fruit relished by all. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c.

GARDEN HUCKLEBERRY.—Another splendid little fruit. You will like it. Pkt. 10c; oz. \$1.00.

APPLE PIE MELON.—A large citron melon of superior quality. Per pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 65c; lb. \$1.75.

VINE PEACH.—The finest thing for sweet pickles. Pkt. 10c; oz. 25c.

AMERICAN MAMMOTH DILL.—For dill pickles. Pkt. 5c.

LEMON CUCUMBER.—Splendid for sweet or sour pickles. Unsurpassed for slicing. Pkt. 10c; oz. 25c.

GOLDEN NUGGET TOMATO.—Best of the preserving tomatoes. Round in shape, bright yellow in color, and about the size of a hulled black walnut. Wonderfully prolific. Pkt. 10c; oz. 50c.

PIMENTO PEPPER.—Medium to large size and suitable for making green pepper pickles. Per pkt. 10c; oz. 50c.

One pkt. of each, sufficient for the ordinary garden, postpaid, only 50c

CHILDREN'S GARDEN COLLECTION

Let the children have their own plot, do their own harvesting, and see how much enjoyment they get from their work.

1 pkt. **YELLOW GROUND CHERRY**, sweet and good; 1 pkt. **CURRANT TOMATO**, fine flavored and small size; 1 pkt. **TIP TOP MUSK MELONS**, large and fine quality; 1 oz. **SWEET-HEART WATER MELON**, as good as the name; 1 pkt. **AUSTRALIAN HULLLESS POP CORN**, the best pop corn variety; 1 oz. **CHUFAS** or **EARTH ALMONDS**, small sweet ground nuts of delicious flavor; $\frac{1}{4}$ lb. **SPANISH PEANUTS**, can be grown in any good soil.

Seven items of the best, amounting at regular value to 80 cents.

MAILED POSTPAID FOR ONLY 50 CENTS.

FARM SEEDS

All the wealth of Agriculture is taken from the soil. No matter how rich the soil the right seed must be selected to turn this fertility into marketable form.



The best seed is always cheapest in the end, for it makes the most profit for the grower.

In selecting crop seed we keep in mind, always, the greatest yield with the least labor.

IOWA SHIELD BRAND SEED has made its reputation on this basis. Free from weeds, hardy varieties, high yielding strains, all make for a higher yield per acre with less labor per bushel.

SHIPPING.—Our shipping facilities are excellent, and we can give you prompt service. We do not pay freight or express on farm seeds, but we deliver to the depot here and furnish bags without charge.

PRICES.—Prices named in this department are subject to important market changes. We print a weekly price list during the spring season. If you will write us, sending list of your requirements, we will take pleasure in sending samples and quoting latest prices.

You take no risk when you order from us as all orders are sent out with the understanding that seed must be satisfactory to you or it may be returned to us within 15 days and the money paid will be refunded. This gives you time to inspect and test or to have it inspected and tested by any authority, and we will abide by the report. There is no sale until you are satisfied.

ABOUT WARRANTING.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. However, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the money paid for same will be refunded. We know of no responsible seed firm in the world which guarantees seeds any further than this.

SEMESAN JR.—This is a seed disinfectant for the prevention of ear rot and stalk rots of corn. Send for free descriptive pamphlet. Prices: By express only. 1 lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$37.50.



IOWA GOLD MINE CORN

SEED CORN

All our seed corn has been grown right here in Polk County. It has been harvested before frost and carefully cured to protect its vitality. All the harvesting and preparation of our seed corn has been supervised by men who have had several years of experience in the production of seed corn. This means that the seed corn you buy from us will produce a much better return than poorly harvested corn grown from crib-run seed. The varieties we offer are leaders throughout the Corn Belt.

IOWA GOLD MINE

This wonderful yellow variety was one of the first we originated. Extremely deep grain, with small cob. Matures early making an excellent feeding corn. A good yielder. Prices: Not prepaid. 7 lbs. 90c; peck \$1.50; bushel \$5.00; ten bushels \$47.50.

IOWA SILVER MINE

This large white variety was introduced by us years ago. It is the standard white kind, and will produce well on poor soil. Matures in 100 days in this section. Prices: Not prepaid. 7 lbs. 90c; peck \$1.50; bushel \$5.00; ten bushels \$47.50.

KRUG YELLOW VICTOR

This wonderful yellow corn has made good throughout the Corn Belt. It is an early maturing, high yielding type that stands at the head of the list of pure-bred varieties. Prices: Not prepaid. 7 lbs. 90c; peck \$1.50; bushel \$5.00; ten bushels \$47.50.

PRIDE OF THE NORTH

An extra early yellow variety originated near the Min-

nesota line. The ears are 7 to 8 inches long with small cob. Very uniform and matures in this section when planted in June. It is suitable for late planting when you have been unable to plant the larger varieties at the proper time. Prices: 7 lbs. 90c; peck \$1.50; bushel \$5.00; ten bushels \$47.50.

LONGFELLOW FLINT

The best yellow variety of flint corn. Ready to feed nearly a month ahead of the Dent varieties. A good yielder that makes excellent livestock feed. Prices: Not prepaid. 7 lbs. 65c; peck \$1.00; bushel \$3.50; ten bushels \$32.50.

SANFORDS EARLY WHITE FLINT

This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and of handsome shape and flinty white color. Prices: Not prepaid. 7 lbs. 65c; peck \$1.00; bushel \$3.50; ten bushels \$32.50.

COPPER CROSS CORN

This is the pioneer of the crossbred corns. It has given very satisfactory results for five seasons. An excellent high yielder for the central and north central sections of the state. Write for complete circular on Copper Cross. Prices: pound 50c, postpaid. Not prepaid, 7 lbs \$2.00; peck \$3.50; bushel \$12.00.

HI-BRED CORN

This yellow crossbred corn has been produced by the Hi-Bred Corn Co. and by special arrangement with them we are enabled to offer it to our customers. Ask for booklet telling more about this wonderful new corn. Prices: Pkt. 10c; lb. 50c, postpaid. Not prepaid, 7 lbs. \$1.75; peck \$3.00; bushel \$10.00.

SEED OATS

Buy Iowa Grown Seed



For the farmer who wants to sow grass seeds with oats, we recommend the White Kherson (Iowa 103) on ordinary soil, or the Richland (Iowa 105) on strong soil. These do not make such rank growth of straw as other sorts and will not lodge under ordinary conditions.

THE IOGREN OAT.—This is a new variety sent out by the Ames College. The Iogren is a thoroughbred from Green Russian and is a great improvement over that well-known popular sort. Price 2½ bu. bag \$2.50.

THE IOWAR OAT.—Prof. Burnett's latest introduction at Ames College. The professor says it is three days later, three inches taller and yields three bushels per acre more than White Kherson (Iowa 103). The grain is good size, thin hull and good color, so it is popular for market. We recommend it to our farmers. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for quantity price.

WHITE KHERSON (Iowa 103).—A production from Ames College. Bred by Prof. L. C. Burnett, agronomist at the Iowa Agricultural College, and introduced by us. Prof. Burnett gave it the designation of "Iowa 103" and we gave it the trade name of "White Kherson" because we believed that numbers might become confusing. It is without doubt the most popular variety in our state. It is very early, the grain is plump and heavy, with thin hull. The straw is strong and stands up well on good soil. Our seed is pedigreed stock grown continuously by us since first given us by Prof. Burnett, and it has always been given great care in seed selection and in grading. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for price in quantity.

THE RICHLAND OAT (Iowa 105).—The best variety for rich, strong land. Another variety from the Agricultural College, bred by Prof. L. C. Burnett, and it was sent out as the best for strong, rich ground, where the ordinary varieties of oats would lodge. It does not grow very tall, but has stiff, strong straw and it will stand up under adverse conditions better than any other variety known. It is very early and produces wonderful crops and competes with the White Kherson in quantity produced. The grains are medium sized, light yellow in color, plump and heavy. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for price in quantity.

SEED WHEAT

MARQUIS.—This is the wheat that won the \$1,000 prize at New York Agricultural Exhibition against all exhibitors, representing every wheat growing section of the western hemisphere. Originated at the Experimental Station at Ottawa, Canada. We have found it the best beardless variety for Iowa planters. We grow our own stock in Iowa because we find that acclimated seed is better for our farms than stock secured from the North. Grows stiff, strong straw of medium height, has round dark red kernels and matures two weeks earlier than the old blue stem types. Popular because free from beards and not so hard to handle at harvest. Per lb. 25c; 3 lbs. 60c postpaid. By freight per bu. \$2.00. Ask for price in quantity.

EARLY JAVA.—The early bearded sort that is so prolific and gives best returns in the corn belt. It is a bearded variety which for many years past has given far better satisfaction in central Iowa than any other bearded variety. Earlier than the Velvet Chaff or other standard sorts and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable. By freight, per bu. \$2.00. Ask for price in quantity.

SEED BARLEY

ODERBRUCKER.—Improved strain of standard six-row barley. The standard market variety by which all are graded. It is an early variety, very strong stiff straw, stands up and stools well. It bears large well-filled heads of plump grain. Per lb. 25c; 3 lbs., 60c, postpaid. See Farm Seed Price List for quantity price.

SEED RYE

MAMMOTH SPRING RYE.—This is quite different from the winter rye. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high. Produces thirty to forty bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. By freight, per bu. \$2.50. See Farm Seed Price List for quantity price.

MONSTER WINTER.—It is usually sown in the fall. If sown early in the spring, it makes an early and abundant pasture, but makes no grain crop. We can supply in the fall this and other varieties of rye for grain production, and will be glad to quote the different kinds about August 1st. By freight, per bu. \$2.25. See Farm Seed Price List for current values in quantity.

BUCKWHEAT

Buckwheat is a valuable crop. Generally sown in July and fills up vacant plots at a time when all other planting is past. Also largely used as a winter cover crop in orchards and nurseries. Use about one-half bushel seed per acre.

JAPANESE.—Is more productive than any other and succeeds well far north. The kernels are quite large. Lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$2.50. See Farm Seed Price List for current prices.

SILVER HULL.—Grain is light gray color, rounder than the common variety, has a thinner husk; earlier. Lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$2.50. See Farm Seed Price List for current values.

SEED FLAX

Our seed is thoroughly re-cleaned, free from mustard or any other seed and is as good as can be purchased anywhere. Do not buy flax seed on open market. It is generally full of weed seed. Per lb. 20c; 3 lbs. 50c postpaid. Market changes. See Farm Seed List for prices.

BROOM CORN

EVERGREEN.—The brush is noted for fine quality, good length and handsome appearance. Lb. 25c; 3 lbs. 65c postpaid. See Farm Seed Price List.

DWARF.—Popular in some sections. Matures late. Lb. 25c; 3 lbs. 65c postpaid. Send for Farm Seed Price List for value on quantity.

SUNFLOWER

The very best poultry feed for winter. Drill in rows. **MAMMOTH RUSSIAN.**—Extremely large sunflower. Large pkt. 5c; lb. 25c; 3 lbs. 50c postpaid. By freight or express, not prepaid, 10 lbs. \$1.50; bu. (25 lbs.) \$3.50.

WHITE CANADA FIELD PEAS

Their value is for early hay. Sow early as the ground can be worked, one bushel of peas to two bushels of oats per acre. Mix together and sow with grain drill. Cut when oats are in the milk, cure as ordinary hay. Matures in 90 days. Peas add nitrogen to the soil like clover, so the crop is a help. Lb. 25c; 3 lbs. 60c postpaid. See Farm Seed List for quantity prices.

COW PEAS

COW PEAS.—These have been so generally superseded by soy beans that they are no longer an important item. We can supply the New Era and Whippoorwill varieties. Per lb. 25c; 3 lbs. 60c by mail postpaid. See Farm Seed Price List for quantity values.

DWARF ESSEX RAPE

SOW IN SMALL GRAIN. SOW AMONG THE CORN.

A very popular and useful green forage crop. Fine for quick pasture for hogs, sheep or chickens. May be sown early, either alone for early pasture or with oats to make pasture after the crop is cut. Rape is also sown in corn at last cultivation. This is a very profitable method where the crop is to be "hogged down" in October. Pkt. 5c; lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.50; 25 lbs. \$3.00. See Farm Seed Price List for quantity prices.

SAND OR WINTER VETCH

Should be seeded in the fall. Makes fine pasture in the spring. Also used for hay. Gathers nitrogen like clover. Pkt. 10c; lb. 40c; 3 lbs. \$1.00 postpaid.



SUDAN GRASS

**MAKES FINE QUALITY HAY. WONDERFULLY PRODUCTIVE.
A MOST VALUABLE QUICK-GROWING PLANT FOR
AN ANNUAL HAY CROP.**

Sudan has made a place for itself as a forage and hay crop. It has the advantage of being inexpensive to sow, as 8 to 10 lbs. drilled or 15 to 20 broadcast is sufficient, and price this year is low. Will make two cuttings for hay if sown early or one good crop of hay, and pasture afterwards until freezing weather. Lb. 25c; 3 lbs. 60c postpaid. See Farm Price List for quantity price.

KENNEY'S EARLY AMBER CANE

An improved variety grown on our own farms to keep it pure. The stock seed has been saved from stalks tested for sugar content. This process has been followed for a number of seasons, until we now have without doubt the best sorghum cane in the country. Specially recommended for northern planters as it matures quicker than other varieties. Use only 5 lbs. seed per acre. Per lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$8.00.

EARLY ORANGE CANE

Seeds are produced in compact head similar to Kaffir and Feterita. It is a few days later to mature than the Amber. It is not so good for northern planters as Kenney's Amber. The syrup is somewhat lighter than that made from the Amber variety. High grade seed, per lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$8.00.

CANE FOR FODDER OR SILAGE

There is no fodder plant in existence that is so generally popular. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and does not appear to be affected by drouth. It is easy to raise. It is valuable as green forage, as hay or fodder, and as silage. It is wonderfully productive. Send for free circulars on Cane and Sudan Grass. See Farm Seed Price List.

KAFFIR CORN

Grown here principally as a poultry feed, for which purpose it is excellent. Also has some value for forage. Price per lb. 25c; 3 lbs. 50c postpaid. By freight or express, not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Farm Seed List for quantity values.

FETERITA

Similar to Kaffir corn in general habit. It matures earlier than Kaffir, and the grains are somewhat larger and softer. Suitable for feeding most any kind of live stock. Per lb. 25c; 3 lbs. 50c postpaid. Not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Red Ink List for quantity price.

MILO MAIZE

Belongs to the same family as Kaffir Corn and resembles it in manner and habit of growth. Grain is light red color. Per lb. 25c; 3 lbs. 50c postpaid. Not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Red Ink List for quantity price.

SOY BEANS

Soy beans make a wonderful high protein forage and the mature beans make wonderful cow and hog feed when ground. We list the best varieties for this section.

ITO SAN.—An early variety. Produces small yellow beans. Prices: Lb. 25c; 3 lbs. 60c postpaid. See Red Ink List.

MANCHU.—The most valuable and most popular of all soy beans for any purpose. Prices: Lb. 25c; 3 lbs. 60c postpaid. See Red Ink List.

PEKIN.—A small black bean for hay. Goes farther in seeding. Prices: Lb. 25c; 3 lbs. 60c postpaid. See Red Ink List.

MILLETS

Nothing like millet to cover up shortage in hay. Can be sown in the middle or end of July and makes a valuable crop. Sow 50 lbs. per acre for hay, thirty pounds per acre for seed crop. As a rule a seed crop is profitable.

IOWA SHIELD GOLDEN MILLET.—This is an extra fancy grade of the true Golden Millet of the Tennessee or cultivated strain. Per lb. 25c; 3 lbs. 60c postpaid. See Red Ink price list for quantity.

SIBERIAN MILLET.—Frequently called Red Millet. Lb. 20c; 3 lbs. 50c prepaid. See Red Ink price list for quantity.

MANITOBA MILLET.—Sometimes called Hog Millet. Makes more seed than any other variety. Much used for poultry feed as it is heavy and plump. Lb. 20c; 3 lbs. 50c postpaid. See Red Ink list.

PERMANENT GRASS MIXTURES

These mixtures we make up to suit the various purposes and conditions. Nothing but good new seed of high germination is used. The proportions are based on State Experiment Station experience. Made up for the following uses:

Upland Meadow, Lowland Meadow, Upland Pasture, Lowland Pasture, Woodland Pasture. Ask us for estimate on any special mixture.



We do not handle imported clover or alfalfa as quality is always inferior, besides the danger of weed seeds.

Our Iowa Shield Brand stands for choicest, plumpest, cleanest seed. In figuring the cost of your seeding remember a pound of clean seed goes farther than a pound of seed and dirt mixed.

CLOVERS

MEDIUM OR COMMON RED CLOVER.—This is the most important of all clovers and the standard everywhere for hay and pasture and our "Iowa Shield" grade is the plumpest, cleanest, purest, fanciest grade, tested and of high quality. See Red Ink List.

MAMMOTH RED CLOVER.—This is also called Sapling or Pea Vine clover. It resembles the Medium Red but grows coarser and more vigorous. It is the best clover for pasturing, but not as desirable for hay. See Red Ink List.

ALSIKE CLOVER.—Alsiike clover is a perennial variety and because it does not die out, it is preferred for permanent pastures and meadows. It thrives on wet, heavy soils and in mucky ground better than any other clover. See Red Ink List.

WHITE DUTCH CLOVER.—The low-growing creeping hardy white-flowered sort. Its principal use is in permanent pastures. Per lb. 75c; 3 lbs. for \$2.00 postpaid. See Farm Seed Price List for quantity value.

TIMOTHY AND ALSIKE MIXTURE.—We mix this ourselves to safeguard quality and proportion. 25 lbs. Alsike to 75 lbs. timothy. A splendid item for permanent meadow and makes really desirable hay. See Red Ink List.

IOWA SHIELD ALFALFA

Send for free booklet "How to Grow and Use Alfalfa."

No crop is so valuable for permanent meadow as Alfalfa. Three crops of hay are cut in Iowa and the North generally. Per lb. 40c; 3 lbs. \$1.10, postpaid. See Farm Seed Price List for quantity price.

GRIMM ALFALFA

We are offering true Dakota grown stock of this variety. We use the greatest care to provide our customers with genuine Grimm. Per lb. 60c; 3 lbs. \$1.75 postpaid. See Farm Seed Price List.

SCARIFIED SWEET CLOVER

Ask for Free Circular on Sweet Clover and price per bushel.

SCARIFYING THE SEED.—One great difficulty with Sweet Clover in the past was slow germination. In the natural condition, the seed has a very hard hull and the germ does not start quickly. Prof. H. D. Hughes of the Iowa Agricultural College at Ames, Iowa, perfected a machine and permitted us to install one in our warehouse so that we can now supply our customers with seed that will show a high percentage of germination.

WHITE BIENNIAL.—(Melilotus Alba, or Bokhara.) The white flowered variety. Per lb. 30c; 3 lbs. 75c. See Red Ink List.

YELLOW BIENNIAL.—(Melilotus Officialis.) Very similar to the white-flowered. Not so rank and coarse and for this reason is claimed to be superior for hay. Lb. 30c; 3 lbs. 75c. See Red Ink List.

HUBAM, ANNUAL, SWEET CLOVER.—This is the annual white-flowered Sweet Clover. Price 50c per lb.; 3 lbs. 1.40, postpaid. See Red Ink List.

GRASS SEED

TIMOTHY.—Is the foundation grass for meadow and pastures and is popular because it fits in with almost any rotation system. Generally sown with clover in spring, among oats, wheat or rye. Use 12 lbs. of seed per acre if alone; 10 lbs. with clover. Per lb. 25c; 3 lbs. 50c postpaid. See Red Ink List.

IOWA SHIELD KENTUCKY BLUE GRASS.—It thrives in all parts of the United States. As a pasture grass it affords more nourishment for live stock than any other. Sow 15 lbs. per acre. By mail, postpaid, per lb. 50c; 3 lbs. \$1.40. See Farm Seed Price List.

ORCHARD GRASS.—Thrives better in shaded situations than other grasses and is therefore specially valuable for woodland pastures. Per lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

RED TOP.—Very hardy perennial. Specially useful as an item in pastures or meadows on wet soils. Solid seed, per lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

ENGLISH BLUE GRASS.—Also called Meadow Fescue. (Weight 14 lbs. per bu.) Sow 20 lbs. per acre if alone. Lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List for quantity prices.

PERENNIAL RYE GRASS.—Also known as English Rye Grass. Legal weight 14 lbs. per bushel. Sow 20 lbs. to acre. Lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

ITALIAN RYE GRASS.—The annual rye grass which grows so quickly. Produces a fine crop of hay in 70 to 80 days. Will produce second crop suitable for pasturage. Sow 14 lbs. (1 bu.) per acre. Per lb. 35c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

BERMUDA GRASS.—Withstands heat and drouth wonderfully. It runs over the ground forming a dense turf. Sow 8 lbs. per acre. Per lb. 75c; 3 lbs. \$2.00 postpaid. 5 lbs. or more, not prepaid, at 60c a lb.

FLOWER SEEDS

You will notice that we have added a large number of flower seed varieties this season. Both annual and perennial flowers are needed in abundance around our homes. Their decorative value cannot be overestimated.

To avoid mistakes in filling your order we have listed the flower seeds by number. This will simplify ordering because you need to use only the number on your order. Annual varieties of flowers are marked ⊙. Perennials are marked ☆. Climbers are marked †.



DOUBLE CALIFORNIA GIANT ASTER

During the late summer and early fall the flower garden is usually a riot of bright colors. The asters with their dainty and distinct colors and different attractive forms are very pleasing. Their long stems make them very desirable for cut flowers and the blooms last a long time in water. Care should be taken to plant Asters in new ground each year and the best results are obtainable if the ground is carefully prepared before sowing. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and wood ashes together with bone meal. The plants should be cultivated frequently and tobacco dust is helpful if placed around the stems.

ASTERS ⊙

DOUBLE CALIFORNIA GIANT.—A new and wonderfully large aster. Exceptionally satisfactory.

500 White 502 Finest Mixed 504 Dark Purple
501 Light Blue 503 Deep Rose

Each of the above, Pkt. 15c; ¼ oz. \$2.00, postpaid.

EARLY WONDER.—The best extra early variety. Flowers are of good size, quite double and stems straight and stiff.

510 Carmine Rose 512 Light Blue
511 Lavender 513 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. \$1.25, postpaid.

QUEEN OF THE MARKET.—These well-known early flowering asters are of a branching habit, about 18 inches high, coming into bloom just after the Early Wonder, and are one of the most useful for early market purposes.

520 Crimson 523 Lavender 525 White
521 Dark Blue 524 Purple 526 Finest Mixed
522 Pink

Each of the above, Pkt. 5c; ¼ oz. 50c, postpaid.

GIANT COMET.—Grows about 2 feet high. Flowers medium size, double and well formed.

530 Pink 532 Light Blue 534 White
531 Dark Blue 533 Purple 535 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 75c, postpaid.

SINGLE FLOWERING.—Produces single, daisy like flowers. Different from the other types of asters.

540 Deep Blue 542 Lavender 544 Finest Mixed
541 Deep Rose 543 White

Each of the above, Pkt. 10c; ¼ oz. 50c, postpaid.

ROYAL.—This is a recently developed type of large flowering asters that will be appreciated by everyone. Petals are broad, curved or shell-shaped, giving an exquisite effect. Flowers come into bloom following the Queen of the Market and remain in blossom until frost.

550 Lavender 552 Deep Rose 554 White
551 Purple 553 Shell Pink 555 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 75c, postpaid.

IMPROVED CREGO.—Plants robust, about two feet high. Flowers large, double, and well-formed, of the Comet type, making a fine variety for all purposes.

560 Azure Blue 562 Deep Rose 564 Shell Pink
561 Lavender 563 Purple 565 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 75c, postpaid.

OSTRICH FEATHER.—These are the finest of the Ostrich Feather class, having long, full, fluffy flowers. Plants grow about two feet high and are very robust.

570 Dark Blue 572 Shell Pink 574 Finest Mixed
571 Deep Rose 573 Sky Blue

Each of the above, Pkt. 10c; ¼ oz. 75c, postpaid.

IMPROVED BRANCHING.—This is the most popular florists' strain. It is also a fine type for outdoor growing.

580 Crimson 582 Lavender 584 White
581 Pink 583 Purple 585 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 50c, postpaid.

ASTERMUMS.—Plants grow erect, two to three feet high. Flowers large, double, well-formed, of the Comet class. A little earlier than the Crego.

590 Lavender 592 Rose Pink
591 White 593 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 75c, postpaid.

600 HEART OF FRANCE.—This is the deepest and most brilliant red of any of the asters. Pkt. 10c; ¼ oz. 90c, postpaid.

610 BANNER BLUE.—The nearest to a pure blue in asters. Pkt. 10c; ¼ oz. 90c, postpaid.

620 SNOWDRIFT.—A large, full, double white of sturdy growth. Very free flowering. Pkt. 10c; ¼ oz. \$1.25, postpaid.

630 BANNER ASTER COLLECTION.—One packet each of Heart of France, Banner Blue and Snowdrift for 25c, postpaid.

ANTIRRHINUM
LARGE FLOWERING

white. Each of the above, Pkt. 10c; $\frac{1}{4}$ oz. 25c, postpaid.

ALYSSUM ○

660 SWEET.—Has little white flowers, useful for small bouquets. Its fragrance is very delicate. Makes pretty edging. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c, postpaid.

661 LITTLE GEM.—Very dwarf and remarkably uniform. Only 3 or 4 in. high. Pkt. 5c; $\frac{1}{4}$ oz. 20c; oz. 60c, postpaid.

662 LILAC QUEEN.—A new color in Alyssum. Becomes more pronounced the latter part of summer. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

663 MIXED.—Mixture of above colors. Pkt. 5c; $\frac{1}{4}$ oz. 20c; oz. 50c, postpaid.

AMARANTHUS ○

Hardy annuals. Sow early in spring.

670 PURPLE MANTLE.—A new Amaranthus and the most striking and showy of all. Has large purple leaves, which do not fade in hot weather. The large fronds of reddish purple flowers almost cover the plants. A block of this variety on our seed farm was a delight from May until freezing weather. Pkt. 10c; oz. 40c, postpaid.

671 TRICOLOR.—Well known as "Joseph's Coat." Pkt. 10c; $\frac{1}{4}$ oz. 35c; oz. \$1.00, postpaid.

672—CAUDATUS.—(Love Lies Bleeding.) Produces long drooping chains of brilliant-colored flowers. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 50c, postpaid.

673 MIXED VARIETIES.—Pkt. 5c; $\frac{1}{4}$ oz. 20c; oz. 40c, postpaid.

AMBROSIA—PERFUME PLANT ○

680 Long spiral stem with abundant buds and blossoms. Very fragrant. Pkt. 10c; $\frac{1}{4}$ oz. 25c, postpaid.

AMMOBIUM ○

690 ALATUM GRANDIFLORA.—A pretty everlasting white flower. Pkt. 5c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

ANTIRRHINUM ○

Tall large flowering. Most beautiful. This is the newest creation in Giant Antirrhinum and is a marked advance over the older tall types in size and brilliancy of color. The flowers are closely placed on the stems.

700 BUNCH OF LILACS.—Lilac purple.

701 CANARY BIRD.—Yellow with gold center.

702 COPPER KING.—Velvety copper-scarlet.

703 PURPLE KING.—Deep glowing purple.

704 SNOWFLAKE.—Pure white with yellow tube.

705 THE ROSE.—Rose pink.

706 FINEST MIXED.

Each of the above, Pkt. 15c; $\frac{1}{4}$ oz. \$1.25, postpaid.

MEDIUM GIANT FLOWERED

Are fine for bedding as they require no staking. The flowers are very wonderful and in many new colors.

710 FASCINATION.—Pearly pink.

**ACROCLIN-
IUM** ○ — A beautiful everlasting. Very delicate flowers.
640 Double Red
641 Double Mixed
Each of the above, Pkt. 5c; $\frac{1}{4}$ oz. 30c; oz. 90c, postpaid.

**AGERA-
TUM** ○

650 BLUE PERFECTION.—Flowers large and of deep blue.

651 A L B I-FLORUM.—Like Blue Perfection, only flowers are

711 GLORIA.—A large, deep rose.
712 GOLDEN QUEEN.—A clear yellow.
713 GRENADE.—Orange-scarlet, white tube.
714 PURITY.—Pure white.
715 FINEST MIXED.
Each of the above, Pkt. 10c; $\frac{1}{4}$ oz. 75c, postpaid.

AQUILEGIA ★

(Columbine). Free flowering and deservedly popular hardy plants. Bloom profusely through spring into early summer. Hardy perennial.

720 LONG SPURRED HYBRIDS.—The spurs on these are very long. Many colors, all showy. Pkt. 25c; $\frac{1}{4}$ oz. \$2.00, postpaid.

721 CHRYSANTHA.—The beautiful large-flowered yellow Columbine. Pkt. 10c; $\frac{1}{4}$ oz. \$2.00, postpaid.

722 COREULEA.—The true Rocky Mountain blue Columbine. Pkt. 10c; $\frac{1}{4}$ oz. \$2.50, postpaid.

723 DOUBLE VARIETIES MIXED.—A fine assortment. Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.50, postpaid.

ARCTOTIS GRANDIS ○

730 Remarkably handsome annual. Its flowers, borne on long stems, are large and showy, with a yellow zone at base. Reverse of petals lilac-blue. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 90c, postpaid.

BALLON VINE ○+

740 A pretty, rapid-growing climber. Flowers white, followed by balloon-like seed pods. Pkt. 10c; oz. 30c, postpaid.

AMARANTHUS
TRICOLOR

having bright scarlet flowers and pods. Very showy as a climber; also valuable for table use. Pkt. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c, postpaid.

BRACHYCOME ○

770 Also called "Swan River Daisy." Covered during summer with a profusion of flowers. Blue and white. Pkt. 5c; $\frac{1}{4}$ oz. 50c, postpaid.

BROWALLIA ○

780 GRANDIFLORA.—Most beautiful of all Browallias. Form dense little bushes, covered with abundance of delightful sky-blue flowers. Pkt. 10c; $\frac{1}{4}$ oz. 75c, postpaid.

BRYANOPSIS ○+

790 A splendid climber with pretty cherry-like green fruits which change to bright scarlet, striped with white. Pkt. 10c; $\frac{1}{4}$ oz. 50c, postpaid.

BURNING BUSH ○

800 One of the very best annual border or hedge plants, so symmetrical in form that plants look like they had been clipped. Turn vivid red in the fall. Easily grown. Pkt. 5c; $\frac{1}{4}$ oz. 20c; oz. 50c, postpaid.

BUTTERFLY FLOWER ○

810 This large-flowering variety of Schizanthus challenges the rare orchids in beauty. Easily grown. Pkt. 5c; $\frac{1}{4}$ oz. 50c, postpaid.

CACALIA ○

820 COCCINEA.—Sometimes called Tassel Flower of Flora's Paint Brush. Pkt. 5c; $\frac{1}{4}$ oz. 50c, postpaid.

CALENDULA ○

Belongs to Marigold family. An annual of the easiest culture.

830 ORANGE KING.—Compact double flowers of bright orange color. Very beautiful. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

831 FINE MIXED.—Pkt. 5c; $\frac{1}{4}$ oz. 25c; oz. 50c, postpaid.

CALLIOPSIS ○

Very showy. Two feet high. A wonderfully successful annual.

840 GOLDEN WAVE 842 GOLDEN KING
841 CRIMSON KING 843 FINEST MIXED

Each of the above, Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c, postpaid.

CAMPANULA

850 CUP AND SAUCER.—A beautiful variety, presenting form of cup and saucer, hence its name. Perennial. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 80c, postpaid.

851 SINGLE MIXED.—A choice mixture of single sorts. Pkt. 5c; $\frac{1}{4}$ oz. 40c, postpaid.

852 DOUBLE MIXED.—Choicest seed from double varieties. Pkt. 10c; $\frac{1}{4}$ oz. \$1.25, postpaid.

CANARY BIRD FLOWERS ○+

860 A climber of delicate, finely-cut foliage and curious bright yellow flowers, resembling the canary bird. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

CANDYTUFT ○

Easy to cultivate and blooms profusely. Hardy annual one foot high.

870 GIANT EMPRESS.—Covered with pure white, fragrant flowers. Fine edging. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 60c, postpaid.

871 CRIMSON.—Companion to Giant Empress, and will be appreciated because of its unusual color. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 60c, postpaid.

872 BEST MIXED.—Mixture of all varieties and colors. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c, postpaid.

CANNA ○

880 FANCY LARGE FLOWERED.—Very large flowering, dwarf varieties $3\frac{1}{2}$ feet tall. Mixture of finest flowering sorts. Pkt. 10c; $\frac{1}{4}$ oz. 40c; oz. \$1.25, postpaid.

CANTERBURY BELLS ○

890 CAMPANULA MEDIUM.—A very pretty perennial, popular and well known. Double and single mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

CARNATION ○

Finest of the Dianthus or Pink family. Very fragrant. Flowers double.

900 Dark Red 903 Yellow

901 Scarlet 904 Finest Mixed

902 White

Each of the above, Pkt. 15c; $\frac{1}{4}$ oz. \$1.25, postpaid.

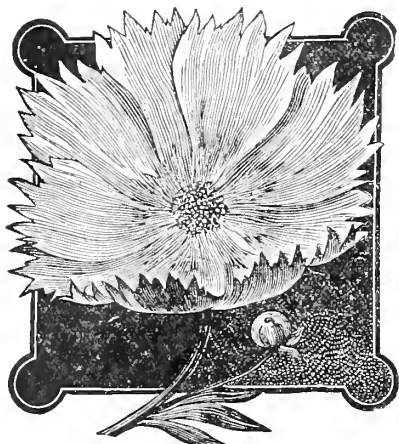
910 MARGUERITE.—Plants are of vigorous, dwarf, erect growth. Markings and shading wonderful. Colors mixed. Pkt. 10c; $\frac{1}{4}$ oz. 75c, postpaid.

**CARDINAL
CLIMBER** ○+

920 A hybrid of Cypress Vine and Morning Glory. Grows 20 to 30 ft. high. Bright cardinal flowers. Pkt. 10c; $\frac{1}{4}$ oz. \$1.25, postpaid.



BRACHYCOME



COREOPSIS

CELOSIA ⊙

930 **SPICATA**.—A wonderful new variety of Celosia about 2½ feet in height and producing spikes of flowers of a bright rose color, when opening changing to silvery white. Pkt. 10c; ¼ oz. 75c, postpaid.

931 **OSTRICH FEATHER**.—Has beautifully curled plumes of various colors. Pkt. 10c; ¼ oz. 75c, postpaid.

CENTAUREA ⊙

CYANUS DOUBLE (Bachelor's Button or Cornflower).—An attractive flower for naturalizing purposes. Re-seeds itself readily.

940 Blue	943 Brick Red
941 Pink	944 Finest Mixed
942 White	

Each of the above, Pkt. 5c; ¼ oz. 20c; oz. 60c, postpaid.

945 **GYMNOCARPA** (Dusty Miller).—The foliage of this variety is finely cut and silvery. Pkt. 10c; ¼ oz. 40c; oz. \$1.20, postpaid.

946 **AMERICANA**.—The giant of the Centaureas. Flowers are four inches across and bloom a long time. Pkt. 10c; ¼ oz. 40c; oz. \$1.20, postpaid.

IMPERIALIS.—Improved Sweet Sultan; long stemmed, graceful blossoms, deliciously fragrant.

947 Red	947C White
947A Deep Lavender	947D Finest mixed
947B Purple	

Each of the above, Pkt. 10c; ¼ oz. 40c; oz. \$1.25, postpaid.

CHINESE WOOLFLOWER ⊙

CELOSIA CHILDSII.—A magnificent garden annual, producing numerous fluffy heads, resembling wool. If flowers are dried in a dark place they will retain their rich colors all winter.

950 Dark Pink	953 Scarlet
951 Yellow	954 Crimson
952 White	955 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 90c, postpaid.

CLARKIA ⊙

960 A very pretty and desirable hardy annual. Flowers are white, red, purple, etc., borne in profusion during summer. Single and double mixed. Pkt. 5c; ¼ oz. 50c, postpaid.

COBAEA SCANDENS ⊕+

970 A magnificent climber of rapid growth and beautiful blue flowers. Pkt. 10c; ¼ oz. 50c, postpaid.

COCKSCOMB ⊙

980 **GIANT EMPRESS**.—The Empress is the finest and most gorgeous variety; not uncommon for the heads to measure twelve inches in breadth. Purple combs and dark brown foliage. Pkt. 10c; ¼ oz. 75c, postpaid.

981 **ALL VARIETIES MIXED**.—Pkt. 10c; ¼ oz. 65c, postpaid.

COREOPSIS ★

990 **LANCEOLATA**.—Hardy perennial form of Calliopis. Bright golden yellow. Blooms all summer. Pkt. 10c; ¼ oz. 25c; oz. 75c, postpaid.

COSMOS ⊙

EARLY DAWN.—Is early, coming into bloom about two months from time of sowing and continuing until frost.

1000 White	1002 Crimson
1001 Pink	1003 Finest Mixed
Each of the above, Pkt. 10c; ¼ oz. 20c; oz. 60c, postpaid.	

EARLY DOUBLE CRESTED.—A new early strain of the wonderful Double Crested Cosmos. We recommend them highly.

1010 Pink Beauty	1012 White Queen
1011 Crimson King	1013 Finest Mixed
Each of the above, Pkt. 15c; ¼ oz. \$2.00, postpaid.	

1020 **MAMMOTH PERFECTION**.—Flowers double the size of the early flowering Cosmos. Quite late. Pkt. 10c; ¼ oz. 20c; oz. 60c, postpaid.

CYPRESS VINE ⊕+

1030 A beautiful, rapid climber with delicate dark green foliage and an abundance of star-shaped scarlet and white blossoms. Mixed colors. Pkt. 5c; oz. 50c, postpaid.

DAHLIA ⊙

The Dahlia is well known, but few are aware that if the seed is sown early in the spring they will bloom the first year.

1040 **DOUBLE MIXED**.—Our seed is saved from large double flowers. Pkt. 10c; ¼ oz. \$1.50, postpaid.

DAISY ⊙

1050 **BEST DOUBLE MIXED**.—Low-growing sorts for massed beds or borders. Known as English Daisies. Pkt. 10c; ¼ oz. \$1.00, postpaid.

1051 **AFRICAN GOLDEN**.—This showy annual comes from South Africa. Blossoms 2 to 3 inches in diameter. A peculiar, rich, glossy color. Pkt. 10c; ¼ oz. 75c, postpaid.

SHASTA DAISY ★

1060 **ALASKA**.—The best of the Shasta Daisies. Pkt. 10c; ¼ oz. \$1.25, postpaid.

DELPHINIUM ★

(Perennial Larkspur)

The Delphiniums are deservedly among the most popular perennials. If sown very early they will bloom the first year, or may be sown the first of August and will make fine plants for next year's flowers.

1070 **BELLADONNA**.—Light blue, hardy and fine. Pkt. 20c; ¼ oz. \$2.00, postpaid.

1071 **BELLEMOSUM**.—Dark blue. Better than old Formosum. Pkt. 25c; ¼ oz. \$2.50, postpaid.

1072 **BUTTERFLY**.—A distinct variety, growing about 18 inches high, with fine, feathery foliage. Large blossoms of intense gentian blue. Pkt. 10c; ¼ oz. 80c, postpaid.

1073 **GOLD MEDAL HYBRIDS**.—The finest strain with immense spikes of large flowers. Many colors. Pkt. 25c; ¼ oz. \$1.20, postpaid.

DIANTHUS ⊙

Dianthus or Chinese Pinks furnish abundance of gay and pretty flowers until frozen.

1080 **ORIENTAL OR JAPANESE MIXED**.—Markings and colors are rich and brilliant. Striped, blotched and banded. Colors range from white to deep crimson and maroon and produce profusely and continuously. Pkt. 10c; ¼ oz. 50c, postpaid.

1081 **FIREBALL**.—Very beautiful. Flowers are perfectly double and color a rich, velvety blood red. Pkt. 10c; ¼ oz. 40c, postpaid.

1082 **SNOWBALL**.—Fit companion to above. Pkt. 10c; ¼ oz. 40c, postpaid.

1083 **DOUBLE DIADEM PINK**.—A superb, large double flower. Magnificent in color. Pkt. 10c; ¼ oz. 40c, postpaid.

DOLICHOS ⊕+

(Hyacinth Bean)

A rapid-growing annual climber, flowering freely in clusters, followed by ornamental pods.

1090 **DAYLIGHT**.—Pure white. Pkt. 10c; ¼ lb. 60c, postpaid.

1091 **DARKNESS**.—Both flowers and seed pods are a purplish red. Pkt. 10c; ¼ lb. 60c, postpaid.

1092 **MIXED COLORS**.—Pkt. 5c; ¼ lb. 45c, postpaid.

ELECTRIC LIGHT PLANT ⊙

1100 A sturdy, bushy plant of about 4 feet, covered constantly with large spikes of flowers, which are pure white at base and range from rose to bright red at top. Showy and ornamental. Pkt. 10c; ¼ oz. 25c; oz. 75c, postpaid.

ESCHSCHOLTZIA ⊙

(California Poppy)

An excellent low growing bedding plant. Very brilliant and showy. Easy to grow.

1110 **CHROME QUEEN**.—Amber yellow.

1111 **DAINTY QUEEN**.—Pink and yellow.

1112 **MANDARIN**.—Orange and scarlet.

1113 **VESUVIUS**.—Red.

1114 **FINEST SINGLE MIXED**.

1115 **FINEST DOUBLE MIXED** (yellow and white only).

Each of the above, Pkt. 10c; ¼ oz. 25c; oz. 75c, postpaid.

EUPHORBIA ⊙

1120 **VARIEGATED**. (Snow on the Mountain).—Foliage ornamental, veined and margined white. Pkt. 5c; ¼ oz. 40c, postpaid.

FOUR O'CLOCK ⊙

(Mirabilis.) Marvel of Peru. A most brilliant, showy annual. Much used for ornamental hedges.

1130 **MIXED COLORS AND VARIETIES**.—A fine assortment. Pkt. 5c; oz. 25c; ¼ lb. 75c, postpaid.

FOXGLOVE ★

A showy perennial, easily grown. Always pleases.

1140 White	1142 Purple
1141 Rose	1143 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 50c, postpaid.

GAILARDIA (Blanket Flower) ★

Exceedingly beautiful. Very showy. Plants 1 to 2 feet high. Red and yellow colors dominate.

1150 **JOSEPHUS**.—Large red blossoms edged with yellow.

1151 **CRIMSON AND ORANGE**.

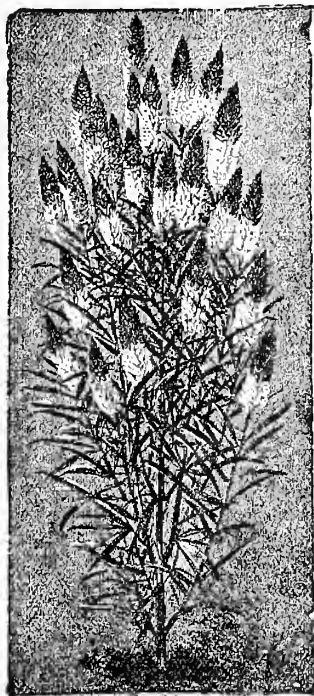
1152 **FINEST SINGLE MIXED**.

1153 **FINEST DOUBLE MIXED**.

Each of the above, Pkt. 10c; ¼ oz. 20c; oz. 60c, postpaid.



GIANT EMPRESS COCKSCOMB



CELOSIA SPICATA

GERANIUM ○

1160 **GOOD VENTURE**.—Easily raised from seed. It is fun to watch the little seedlings grow into large geraniums. Pkt. (about 40 seeds) 15c; ¼ oz. \$1.25, postpaid.

GLOBE AMARANTH ○

1170 **MIXED COLORS**.—Popularly known as "Bachelor Buttons." Many colors. Pkt. 5c; ¼ oz. 25c; oz. 75c, postpaid.

GODETIA ○

A handsome, showy annual deserving more extensive cultivation. About 1 foot high, of dwarf, compact growth.

1180 White 1182 Pink
1181 Red 1183 Finest Mixed
Each of the above, Pkt. 10c; ¼ oz. 40c, postpaid.

GOURDS—ORNAMENTAL MIXED ○+

1190 A mixture of the odd-shaped and fancy-colored sorts. Pkt. 5c; oz. 25c, postpaid.

GRASS PINKS ★

1200 **DOUBLE CLOVE PINKS**. A fine type of the pretty clove-scented flowers, so much loved by our grandmothers. Colors range from pure white to dark red. A hardy perennial. Pkt. 10c; ¼ oz. 35c, postpaid.

GYPSOPHILA ★

Graceful plants of light fairy-like growth. Fine for combining with other flowers for bouquets.

1210 Elegans White 1212 Elegans Pink
1211 Elegans Carmine 1213 Elegans Mixed
Each of the above, Pkt. 5c; ¼ oz. 20c; oz. 60c, postpaid.

1214 **PANICULATA ALBA**. Single perennial.
1215 **PANICULATA**. White. Double perennial.
Each of the above, Pkt. 10c; ¼ oz. 25c; oz. 80c, postpaid.

HELICHRYSUM ○

Very pretty and popular, bearing large double flowers of different shades and colors. Retain

their form and color many months. Particularly useful in winter decoration.

1220 Yellow 1223 Scarlet
1221 White 1224 Violet
1222 Red 1225 Finest Mixed
Each of the above, Pkt. 10c; ¼ oz. 25c; oz. 60c, postpaid.

HELIOTROPE ○

1230 **CALIFORNIA MAMMOTH**. A grand variety, producing immense flowers. Pkt. 10c.

HIBISCUS

1240 **MEHAN'S MARVEL MALLOW**.—★ Produces wonderful flowers 8 to 10 inches in diameter. Colored from pure white to fiery red. Splendid for permanent planting. Pkt. 10c; ¼ oz. 40c; oz. \$1.00, postpaid.

1241 **GOLDEN BOWL**.—○ Enormous flowers, 5 to 6 inches across. Canary color with large, black center. This variety is an annual and does not live over winter. Pkt. 10c.

HOLLYHOCKS

1250 **EVERBLOOMING ANNUAL**.—○ Sown in the open ground in April, it blooms in August. Colors varied. Double, semi-double, single. Pkt. 10c; ¼ oz. 35c; oz. \$1.00, postpaid.

1251 White 1254 Rose
1252 Pink 1255 Maroon
1253 Crimson 1256 Finest Mixed
Each of the above, Pkt. 10c; ¼ oz. 75c, postpaid.

ICE PLANT ○

1260 A handsome and curious plant for hanging baskets, rockwork and vases. The leaves and stems appear as though covered with crystals. Pkt. 5c; ¼ oz. 30c, postpaid.

JOB'S TEARS ○

1270 Produces beautiful seeds, about one-fourth inch in diameter, which are used like beads in fancy work. Grows 2 to 3 feet high with broad leaves. Pkt. 5c; ¼ lb. 40c, postpaid.

KUDZU VINE ○

(Jack and the Beanstalk)

1280 Hardy, very rapid-growing vine. Pkt. 10c, ¼ oz. 25c; oz. 75c, postpaid.

LARKSPUR ○

TALL DOUBLE STOCK FLOWERED.—3 or 4 feet high. Wonderfully large and showy. Fine for cut flowers.

1290 Blackish Blue 1293 Rose
1291 Light Blue 1294 Violet
1292 Purple 1295 Finest Mixed
Each of the above, Pkt. 10c; ¼ oz. 20c; oz. 75c, postpaid.

1296 **EMPEROR**.—Low growing. Fine for bedding work. Produces white flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c, postpaid.

LINUM

1300 **GRANDIFLORA RUBRUM** (Scarlet Flax).—○ A showy annual. Crimson scarlet flower. Pkt. 5c; ¼ oz. 15c; oz. 50c, postpaid.

1301 **PERENNIAL**.★—A beautiful, hardy perennial. Blooms constantly. Delicate blue flowers. Pkt. 10c; ¼ oz. 30c, postpaid.

LOBELIA ○

1310 **ERINUS**.—Handsome, trailing annual. Flowers blue. Fine in vases and hanging baskets. Pkt. 10c.

1311 **COMPACTA**.—The upright growing variety. Pkt. 10c; ¼ oz. \$1.25, postpaid.

MARIGOLD ○

1315 **PRIDE OF THE GARDEN**.—We have selected these until the choicest only are contained in this strain. Pkt. 5c; ¼ oz. 20c; oz. 60c, postpaid.

DWARF FRENCH DOUBLE

1320 BROWN, Spotted Yellow.
1321 GOLD STRIPED.
1322 GOLDEN YELLOW, Brown Margin.
1323 PIGMY GOLDEN BALL.
Each of the above, Pkt. 5c; ¼ oz. 20c; oz. 60c, postpaid.

DWARF FRENCH SINGLE

1330 DIADEM, Mahogany red, edged gold.
1331 GOLD STAR, Yellow, striped maroon.
1332 LEGION OF HONOR (Little Brownie).
1333 STAR OF INDIA, Crimson, striped yellow.
1334 SILVER KING, Pale yellow, maroon at base.
Each of the above, pkt. 10c; ¼ oz. 20c; oz. 60c, postpaid.

MIGNONETTE ○

1340 **MACHET**.—Distinct variety of great merit. Vigorous dwarf growth with very large spikes of deliciously scented red flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c, postpaid.

1341 **SWEET SCENTED**.—Mixed colors. Pkt. 5c; oz. 30c, postpaid.

MOMORDICA ○

1350 Commonly known as Balsam Apple and Balsam Pear. Pkt. 10c; oz. 90c, postpaid.

MOONFLOWER ○+

1360 **WHITE**.—One of the grandest summer climbers, growing 25 to 40 feet high, and covered nightly and dull days with beautiful flowers from 5 to 6 inches in diameter. Fragrant. Pkt. of 6 seeds 10c; oz. 75c, postpaid.

1361 **BLUE**.—In striking contrast to the true White Moonflower. Pkt. 10c; oz. 75c, postpaid.

MORNING GLORIES ○+

1370 **IMPERIAL JAPANESE**.—Remarkable for the large size and exquisite colors of the flowers. Vines grow quickly to a height of twenty feet. Colors, shadings and markings really wonders of nature. Single. Pkt. 10c; oz. 40c, postpaid.

1371 **FRINGED JAPANESE**.—Odd, yet attractive appearance. Similar in size and coloring to the Imperial strain. Pkt. 10c; oz. 50c, postpaid.

1372 **IMPROVED CLIMBING**.—The regular Morning glory. Our mixture is made up of separate colors and is superb. Pkt. 10c; ¼ oz. 75c, postpaid.

1373 **BRAZILIAN**.—One of the most luxuriant plants ever grown. With immense leaves and flowers. Pkt. 10c; ¼ oz. 25c; oz. 90c, postpaid.

MYOSOTIS ○

(Forget-Me-Not)

1380 **VICTORIA**.—The best variety for pot culture. Of dwarf, globular habit. Beautiful sky-blue flowers with center double. Pkt. 10c; ¼ oz. 50c, postpaid.



FIREBALL DIANTHUS



NASTURTIUMS (Imperial Mixed)

NASTURTIUMS ◯ DWARF VARIETIES

1390 **AURORA**.—Deep chrome yellow, blotched and veined purplish carmine. Pkt. 10c; oz. 30c, postpaid.

1391 **BEAUTY**.—Scarlet-splashed canary yellow. A fine variety. Attractive flower. Pkt. 10c; oz. 30c, postpaid.

1392 **CHAMELEON**.—Crimson, gold and bronze, bordered and flamed. Pkt. 10c; oz. 30c postpaid.

1393 **EMPRESS OF INDIA**.—Dark purplish leaves and brilliant scarlet flowers. Pkt. 10c; oz. 30c, postpaid.

1394 **GENERAL JACQUEMINOT**.—Named for the rose; flowers bright crimson scarlet. Pkt. 10c; oz. 30c, postpaid.

1395 **KING THEODORE**.—The "black" nasturtium; deep velvety crimson. Pkt. 10c; oz. 30c, postpaid.

1396 **RUBY**.—Bright and brilliant carmine color. Profuse bloomer. Pkt. 10c; oz. 25c, postpaid.

1397 **VESUVIUS**.—Bright salmon pink, veined deep orange. Brightest shade in list. Pkt. 10c; oz. 30c, postpaid.

1398 **IMPERIAL MIXED**.—Mixed by us from best-named varieties. Pkt. 10c; oz. 20c; ¼ lb. 60c, postpaid.

TALL VARIETIES ◯

1400 **FIRELIGHT**.—Brilliant cardinal red. Brightest and most attractive color. Pkt. 10c; oz. 30c, postpaid.

1401 **MIDNIGHT**.—Dark-brownish red; profuse bloomer. Fine in mixed beds. Pkt. 10c; oz. 30c, postpaid.

1402 **MOONLIGHT**.—Pale straw or lemon yellow. A delicate soft shade. Pkt. 10c; oz. 25c, postpaid.

1403 **SUNLIGHT**.—Rich brilliant yellow color. Crinkled flowers of immense size. Pkt. 10c; oz. 30c, postpaid.

1404 **TWILIGHT**.—Lovely delicate flower of salmon rose or pink. Pkt. 10c; oz. 35c, postpaid.

1405 **CAPRICE**.—Changing colors, often a dozen different shades on a plant. Pkt. 10c; oz. 35c, postpaid.

1406 **TALL VARIETIES MIXED**.—The best mixture of tall nasturtiums we can make. Pkt. 10c; oz. 20c; ¼ lb. 60c. Our packets are filled so as to be worth while planting.

1407 **BRILLIANCY NASTURTIUM COLLECTION**.—1 pkt. each of the 8 Dwarf varieties for 50c. 1 pkt. each of the 6 Tall varieties for 40c. Both collections, 85c.

NICOTIANA ◯

One of the easiest of the annuals to raise and one of the most effective. Flowers open evenings. Highly perfumed.

1410 **White** 1411 **Finest Mixed**
Each of the above, Pkt. 10c; ¼ oz. 40c, postpaid.

NIGELLA ◯

1420 **MIXED** (Love in the Mist).—A compact, free-flowering plant with finely cut foliage, curious-looking seed pods. Of easy culture, growing in any garden soil. Blue and white mixed. Pkt. 10c; ¼ oz. 25c; oz. 60c, postpaid.

1421 **MISS JEKYLL**.—A lovely variety, bearing on long stems large semi-double flowers of a lovely tender blue, nestling in fine feathery foliage. Pkt. 10c; ¼ oz. 60c, postpaid.



PANSIES (American Giant)

PANSIES

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains. Packets contain 100 to 125 seeds. Directions for growing pansies will be mailed free upon request.

1430 **PRETIOSO**.—A new strain. Contains the widest range of colors, most diversified markings, and velvety substance. They are large, fine blooms, satiny finish, brightest colors which really shine with lustre. Pkt. 10c; ¼ oz. \$2.00; oz. \$6.00, postpaid.

1431 **AMERICAN GIANT**.—This strain is of strong, robust, luxuriant growth and produces immense flowers. Grown expressly for us by a careful and enthusiastic pansy specialist. Pkt. 15c; ¼ oz. \$3.00; oz. \$8.00, postpaid.

1432 **MASTERPIECE**.—Distinct in form of flowers, the border of every petal undulated and curled. Flowers are very large. Pkt. 10c; oz. \$6.00, postpaid.

1433 **GIANT TRIMARDEAU**.—Flowers of very large size. Each flower marked with three blotches or spots and stands well above foliage. Choice mixed colors. Pkt. 10c; ¼ oz. \$2.00; oz. \$6.00, postpaid.

SEPARATE COLORS.—We can furnish Giant Flowered Pansies in the following separate colors:

1434 **White** 1437 **Red**
1435 **Blue** 1438 **Black**
1436 **Yellow**

Each of the above pkt. 10c; ¼ oz. \$2.00; oz. \$6.00, postpaid.

PENNISTEUM ◯

1440 Commonly called Purple Fountain Grass. Pkt. 10c.

PENTSTEMON ★

1450 **FINEST MIXED**.—Hardy perennial. Many spikes of Gloxinia-like flowers. Pkt. 10c; ¼ oz. \$1.90, postpaid.

PETUNIAS ◯

SPLENDID PETUNIAS

Visitors at our Seed Farm were constantly exclaiming about our field of Petunias. Everyone declared they had not seen such large and bright flowers in Petunias before.

ROSY MORN.—A beautiful new petunia of clear rosy pink. A lovely shade for solid beds. Splendid for window-boxes. Pkt. 10c; ¼ oz. \$1.00, postpaid.

GIANT FANCY.—The flowers are exquisitely ruffled or fringed, and of enormous size. Unlimited varieties of colors, linings, blotchings, and stripings. Pkt. 25c, postpaid.

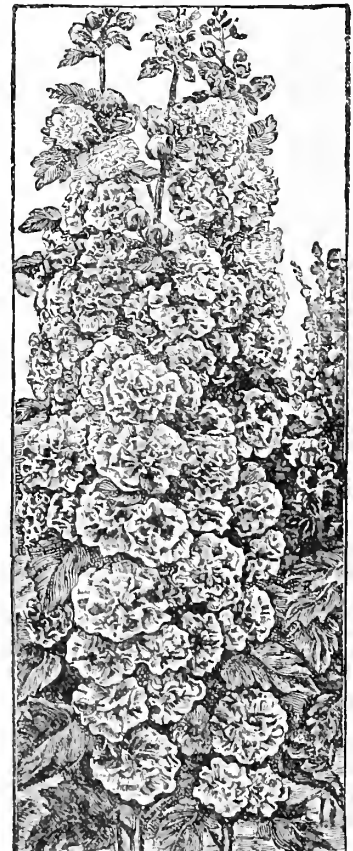
LITTLE PET (Howard's Star).—Free blooming. Flowers have a distinct five-pointed star in the center. Pkt. 15c, postpaid.

INIMITABLE MIXED.—Large flowers with clear, bright colors. We grow these on our own farm and know they will please you. Pkt. 10c; ¼ oz. 60c; oz. \$2.00, postpaid.

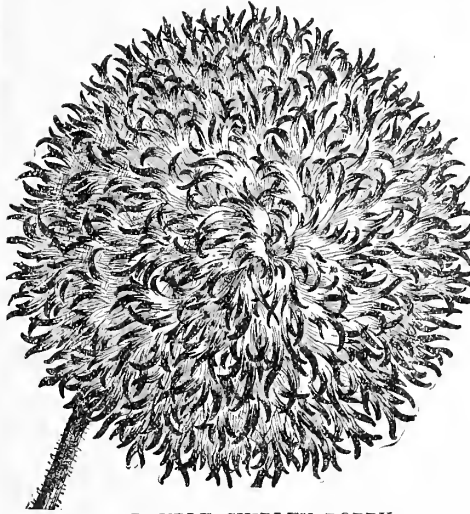
SINGLE SMALL FLOWERED.—Easy to grow. Very satisfactory. Fine for bedding.

1460 **White** 1463 **Striped and**
1461 **Red** blotched
1462 **Violet, white** 1464 **Finest Mixed**
throat

Each of the above, Pkt. 10c; ¼ oz. 60c, postpaid.



HOLLYHOCKS (Chater's Prize)



DOUBLE SHIRLEY POPPY

PETUNIAS (Cont.)

SINGLE DWARF TYPE.—Dwarf, neat, compact bushes covered with small flowers all summer long. Fine for edging and bedding.

1470 Rose	1473 Violet
1471 White	1474 Finest Mixed

1472 Striped and Blotched
Each of the above, Pkt. 10c; ¼ oz. \$1.00, postpaid.

BALCONY TYPE.—Single large flowering sorts especially recommended for window and porch boxes.

1480 Blue	1482 Scarlet
1481 White	1483 Finest Mixed

Each of the above, Pkt. 25c.

PHLOX DRUMMONDI

If we could have but one flower for our garden, that one would be the Phlox. A brilliant, almost dazzling show; continual bloom.

1490 Crimson	1494 Violet
1491 Lilac	1495 White
1492 Primrose	1496 Finest Mixed
1493 Scarlet	

Each of the above, Pkt. 10c; ¼ oz. 40c, postpaid.

POPPIES

DOUBLE CARNATION.—Splendid assortment of best double carnation-flowered sorts.

1500 Cherry Red	1503 White
1501 Salmon Pink	1504 Finest Mixed
1502 Vermilion Red	

Each of the above, Pkt. 5c; ¼ oz. 20c; oz. 50c, postpaid.

DOUBLE PEONY FLOWERED.—Double ball-shaped flowers of gigantic size.

1510 Cardinal Red	1513 Red and White
1511 Brilliant Rose	Striped
1512 Light Lilac	1514 White
	1515 Finest Mixed

Each of the above, Pkt. 5c; ¼ oz. 20c; oz. 50c, postpaid.

1516 DOUBLE SHIRLEY.—An entirely new and distinct Poppy, originated by us. It is a true Shirley or satin poppy, but the flowers are a beautiful double, which greatly enhances their beauty. As hardy and robust as the single. You will be pleased with it. Pkt. 15c; ¼ oz. 40c; oz. \$1.25, postpaid.

1517 AMERICAN FLAG.—Flowers are extra large, very double, snow-white, bordered with scarlet. Very showy variety. Pkt. 5c; ¼ oz. 25c; oz. 75c, postpaid.

1518 SANTA ROSA MIXED.—Improved Shirley Poppy. Pkt. 5c; ¼ oz. 25c; oz. 75c, postpaid.

PERENNIAL POPPIES.

1519 ORIENTAL HYBRIDS.—For brilliancy nothing equals these. Flowers enormous size. Hardy. Pkt. 20c; ¼ oz. \$1.25, postpaid.

1519a ICELAND.—Colors purest white to deepest orange scarlet. Pkt. 10c; ¼ oz. \$1.00, postpaid.

PORTULACA

1520 GRANDIFLORA SINGLE MIXED.—Also known as rose moss. Pkt. 5c; ¼ oz. 40c; oz. \$1.25, postpaid.

1521 DOUBLE MIXED.—The old favorite flowers are double as a rose, brilliant with many shades of color. Pkt. 10c; ¼ oz. \$1.25, postpaid.

PYRETHRUM

1530 GOLDEN FEATHER.—Beautiful golden-leaved foliage plants. Pkt. 10c.

ROSEUM HYBRIDUM.—Painted daisies. Always please. Hardy perennial.

1531 Pink	1534 Flesh
1532 White	1535 Finest Mixed
1533 Red	

Each of the above, Pkt. 10c; ¼ oz. \$1.25, postpaid.

RHODANTHE

1540 MIXED COLORS.—For winter bouquets. Pkt. 10c; ¼ oz. 50c, postpaid.

RICINUS (Castor Oil Plant)

1550 CAMBODGIENSIS.—Has large, palm-like leaves of darkest reddish maroon. Grows 7 to 8 feet. Pkt. 5c; oz. 25c; ¼ lb. 75c, postpaid.

1551 ZANZIBARENSIS.—Grows to a height of 12 to 14 feet, with leaves 2 to 4 feet across. Pkt. 10c; oz. 25c; ¼ lb. 75c, postpaid.



1552 FIERY PLUME.—Has fiery red spikes of flowers and seed pods very striking. Grows 8 to 12 feet. Pkt. 10c; oz. 30c; ¼ lb. 90c, postpaid.

1553 MIXED VARIETIES.—Mixtures of the above and many other choice sorts. Pkt. 5c; oz. 20c; ¼ lb. 60c, postpaid.

1554 COMMON.—The common Castor Bean. Pkt. 5c; oz. 10c; lb. 50c, postpaid. Ask for price in quantity.

SALPIGLOSSIS

Plants about 18 in. high, bearing through the season large flowers 3 in. across. Very attractive and should be in every garden.

1560 Brown and Gold	1564 Black
1561 Crimson and Gold	1565 Violet and Gold
1562 Dark Red	1566 Finest Mixed
1563 Yellow	

Each of the above, Pkt. 10c; ¼ oz. 75c, postpaid.

SALVIA

1570 SPLENDENS.—Brilliant scarlet. Grows 2 to 3 feet. One of the most satisfactory bedding plants. Pkt. 10c; ¼ oz. \$1.25, postpaid.

1571 BONFIRE.—Dwarf, compact, free-blooming sort. Much earlier than Splendens and brighter in color. Pkt. 10c; ¼ oz. \$1.50, postpaid.

SCABIOSA (Mourning Bride)

Fine for cut flowers. We offer the large flowering double varieties.

1580 Ageratum Blue	1584 Yellow
1581 Black Purple	1585 White
1582 Cherry Red	1586 Finest Mixed
1583 Fiery Scarlet	

Each of the above, Pkt. 10c; ¼ oz. 25c; oz. 75c, postpaid.

SENSITIVE PLANT

1590 Very pretty and curious plants, its leaves closing when touched. Pkt. 10c; ¼ oz. 30c, postpaid.

SMILAX

1600 Specially valued for decorating and floral work all the year. Pkt. 10c; ¼ oz. 50c, postpaid.

STATICE (Sea Lavender)

Large spreading panicles. Has light, graceful flowers. Much used for winter decoration when dried.

1610 Lavender	1612 White
1611 Pink	1613 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. 25c; oz. 75c, postpaid.

STOCKS PERPETUAL

(Cut and Come Again)

1620 Red	1623 White
1621 Deep Rose	1624 Yellow
1622 White tinted Carmine	1625 Finest Mixed

Each of the above, Pkt. 10c; ¼ oz. \$1.25, postpaid.

SUNFLOWER

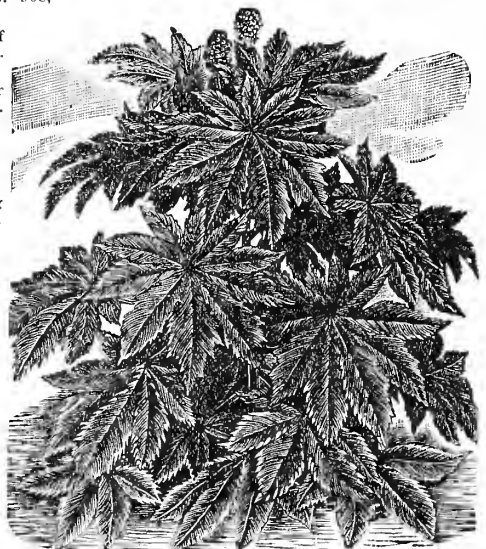
1630 DOUBLE CHRYSANTHEMUM FLOWERED.—Dwarf growing, 4 to 6 feet; beautiful double flowers. Pkt. 10c.

1631 GLOBE OF GOLD.—Double, about 4 feet high. Branching stems. In bloom it seems a mass of golden yellow. Pkt. 10c; oz. 25c.

1632 EXCELSIOR BRANCHING.—Useful for cut flowers. Pkt. 10c.

1633 RAINBOW SUNFLOWER.—Colors range from primrose to dark red. Beautifully mottled. Pkt. 10c.

1634 PEERLESS MIXED.—Mixture of above varieties. Pkt. 5c; oz. 15c.



RICINUS CAMBODGIENSIS

SPENCER SWEET PEAS ⊕

The distinguishing characteristic of the type is wavy-orchid like appearance of the blossoms. They are strong, robust in growth, with extra-large flowers of exquisite, delicious beauty. If you want sweet peas for cut flowers, plant the Spencers.

1640 AMERICA.—Ivory white with distinct stripes of bright crimson. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.

1641 BARBARA.—Salmon color without markings or shading. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.

1642 ELFREDA PEARSON.—One of the largest flowers yet introduced. Color is pink, of a most lovely shade. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00, postpaid.

1643 FIERY CROSS.—The standard is bright orange scarlet, while the wings are rich orange cherry shade. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.

1644 FLORENCE MORSE.—Very delicate rose color, shaded a little darker pink at edges. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00, postpaid.

1645 KING MANOEL.—Deep, rich maroon. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00, postpaid.

1646 KING WHITE SPENCER.—The best white variety. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.00, postpaid.

1647 PRIMROSE SPENCER.—Finest quality of primrose shade. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00, postpaid.

1648 MASTERPIECE.—Color is soft, pleasing lavender with wings of French grey. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.25, postpaid.

1649 ROYAL PURPLE.—The color is so rich that it will astonish with its beauty. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.

1650 SUNPROOF CRIMSON.—A splendid crimson color. Will stand summer heat without fading. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00, postpaid.

1651 WEDGEWOOD BLUE.—We give this preference among the blue sorts. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.

1652 SPENCER MIXED.—This is a choice mixture of the Spencer types and varieties. Contains many sorts not named in our list. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

NITRAGIN.—A preparation to use with Sweet Peas as well as garden peas and beans. Promotes early and rapid growth. Garden size 25c, postpaid.

DIVERSITY COLLECTION

12 Packets 12 Colors

1653 One packet of each of the choicest Spencers, as named and described above. One packet of each \$1.00. One ounce of each \$3.00.

GRANDIFLORA SWEET PEAS ⊕

The sweet peas here offered are of the grandiflora class. They are very free flowering and if you want a grand show in the garden plant these. We offer what we know to be the cream of the list.

1660 AMERICA.—Clear scarlet on a white ground. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1661 BLACK KNIGHT.—Rich, glossy maroon. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1662 DOROTHY ECKFORD.—The largest-flowered white. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1663 BLANCHE FERRY.—Beautiful light rose and white. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1664 KING EDWARD VII.—The best dark red in existence. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1665 LADY GRISEL HAMILTON.—Light lavender. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1666 LOVELY.—The most beautiful shades of soft shell pink. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 60c, postpaid.

1667 LOTTIE ECKFORD.—Standard rose, the wings primrose shaded and splashed rose. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 60c, postpaid.

1668 MRS. KENYON.—A handsome primrose. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1669 NAVY BLUE.—The darkest, truest blue. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1670 ROYAL PURPLE.—Striking dark flower. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1671 ROYAL ROSE.—A most beautiful, clear rose. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid.

1672 IMPERIAL MIXED.—Many of the best sorts carefully selected so as to get the proper proportion of each color in assortment. Grown separately and mixed afterward. Makes the choicest mixture ever offered. We are sure our customers will be pleased with them. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 65c; lb. \$2.00, postpaid.

1673—GRANDIFLORA MIXED.—This mixture is grown as a mixture in the field. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.50, postpaid.

1674 EARLY FLOWERING MIXED.—A new type of sweet peas which bloom much earlier than Grandiflora or Spencer kinds. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.



SWEET PEAS (Spencer Mixed)

1675 GRANDIFLORA COLLECTION.—Twelve full-size packets. Twelve beautiful kinds, all different, all named. Postpaid, 50c.

1676 PERENNIAL SWEET PEAS (Lathyrus)★—A very popular perennial variety and it should be more generally used. Mixed colors. Blooms second year. Pkt. 10c; oz. 60c, postpaid.

SWEET WILLIAMS★ (Single)

1680 Dark Crimson **1682 Scarlet Beauty**
1681 Pink Beauty **1683 Finest Mixed**

Each of the above, Pkt. 5c; $\frac{1}{4}$ oz. 40c; oz. \$1.50, postpaid.

VERBENA ⊙

1690 Deservedly a universal favorite. A constant bloomer and has a sweet fragrance.

NEW CENTURY MAMMOTH.—The most beautiful colors, largest flowers and largest clusters. More vigorous than the ordinary.

1700 Scarlet, white eye **1705 Yellow**
1701 Pink shades **1706 Purple, white eye**
1702 Purple shades **1707 Scarlet**
1703 Blue shades **1708 Finest Mixed**
1704 White

Each of the above, Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.50, postpaid.

1710 CANDIDISSIMA.—Large clusters of pure white flowers. Pkt. 10c; $\frac{1}{4}$ oz. 35c, postpaid.

1711 DEFIANCE.—A true scarlet, large and extra fine. Pkt. 10c; $\frac{1}{4}$ oz. 35c, postpaid.

1712 BANNER BLUE.—A fine blue. Pkt. 10c; $\frac{1}{4}$ oz. 35c, postpaid.

1713 BANNER VERBENA COLLECTION.—Red, White and Blue. One packet each of our national colors, 25c; $\frac{1}{4}$ oz. of each \$1.00, postpaid.

WAHLENBERGIA ⊙

1720 (Bell Flower)—Beautiful large blue or white flowers. Pkt. 10c.

WALLFLOWER ★

Fine for outdoor bedding and cut flowers. Greatly prized for their exquisite fragrance.

1730 Red **1733 Brown**
1731 Creamy White **1734 Finest Mixed**
1732 Yellow

Each of the above, Pkt. 5c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

WISTARIA ★+

1740 One of the most popular hardy vines, climbing to a height of 50 feet or more. It is perennial and easily grown from seed. Pkt. 10c.

NERANTHEMUM ⊙

1750 Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

ZINNIA ⊙

SPLENDOR.—The largest and brightest Zinnia ever produced. We have grown these on the home farm for some time. We have tried out all the various strains, grown both here and in Europe, and have found nothing finer than our stock. You will wonder at their size and clear colors.

1760 Bright Rose **1764 Scarlet**
1761 Canary **1765 White**
Yellow **1766 Pink**
1762 Crimson **1767 Finest**
1763 Purple **Mixed**

Each of the above, Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.50, postpaid.

ELEGANS.—The old standard Zinnia. Good colors.

1770 Bright Scarlet
1771 Canary Yellow
1772 Golden Yellow
1773 Dark Scarlet
1774 Finest Mixed

Each of the above, Pkt. 5c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

PIGMY OR LILIPUT.—Plants are small and of bushy growth. Beautiful little blossoms.

1780 Canary Yellow **1783 White Gem**
1781 Dark Crimson **1784 Finest Mixed**
1782 Golden Gem

Each of the above, Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.50, postpaid.

FLOWER SEED MIXTURES

1790 WILD GARDEN MIXTURE.—Contains many surprises. Pkt. 5c; $\frac{1}{4}$ oz. 10c; oz. 25c, postpaid.

1800 LOW-GROWING ANNUALS.—Flowers which grow less than one foot in height. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c, postpaid.

1810 FLOWERS FOR BOUQUETS. ⊙—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

1820 MIXED PERENNIALS.—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

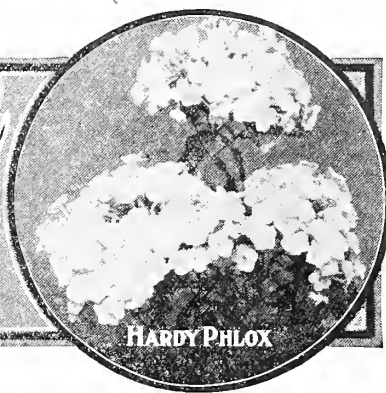
1830 MIXED EVERLASTING.—(Straw Flowers) ⊙—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.

1840 MIXTURE OF CLIMBERS ⊕—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c, postpaid.



PAEONIA

Hardy Perennial Plants



HARDY PHLOX

Perennial Plants

PERENNIAL flowers are so satisfactory that every garden should have a perennial border or, at least, a corner where they can grow undisturbed. They will increase in beauty from year to year. We list varieties that are perfectly hardy and ones that should do well in any soil.

Our Iowa climate, with its cold winters and hot, dry summer weather, produces hardy perennial plants that are exceptionally vigorous and capable of withstanding even more severe climates.

All of our perennials are field grown and are shipped the day they are dug. We are sure that their quality will please you.

Postpaid prices are quoted on the small quantities, but if you ask for them by express we can send you larger plants and we will also put in extras for the postage saved.

Achillea

Boule de Nieve (12 inches) The spreading plant is covered with clusters of small white double blossoms. Each, 20c; 3 for 35c; dozen, \$1.25, postpaid.

Roseum Has finely cut foliage. Flowers are rose color, fading to pink. Each, 25c; 3 for 50c; dozen, \$1.75 postpaid.

The Pearl Larger than Boule de Nieve but blossoms not so double. Both sorts are fine for cutting and are used by florists for piece work. Each, 20c; 3 for 50c; dozen, \$1.75, postpaid.

Anchusa

(Italica), (3 ft.) has rather coarse, hairy leaves. Blossoms of lovely shades of blue on tall spreading spikes. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Aster

Grows three feet tall. Has good foliage and is covered from August till frost with small bright blossoms. Pink, red, white, purple or lavender. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Astilbe

(Pink Plume) A plant with leaves like Spirea. Has pink, feathery blossoms on a spreading plume. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Bleeding Heart

Flower stalks have sprays of pendulous red hearts. Foliage fine. This is one of the fine old-fashioned hardy plants that was found in every garden a generation ago. Our stock is strong and free from disease. Large roots. Each, 75c; 2 for \$1.00; dozen, \$4.50, postpaid.

Calameris

Has an abundance of white blossoms like daisies in August. Grows four feet high. Flowers are nice for cutting. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Chinese Lantern Plant

(Scarlet Ground Cherry) The large scarlet pods or lanterns are used for winter bouquets. Each, 20c; 3 for 40c; dozen, \$1.25, postpaid.

Cinnamon Vine

Well known hardy climber, quick grower, with glossy heart shaped leaves and tiny sweet scented flowers. Vines will run 25 feet in a season. Tubers, each 15c; 3 for 50c; dozen, \$1.20, postpaid.

Delphinium

(Hardy Larkspur) Delphiniums bloom in a wide range of shades of blue. Plants are from 2 ft. to 6 ft. tall, and have blossoms on tall spikes. They are fine for cutting, and no hardy garden is complete without them.

Belladonna—Light Blue. Each, 25c; 3 for 65c; dozen for \$2.50, postpaid.

Bellamosa—Dark Blue. Each, 25c; 3 for 65c; dozen for \$2.50, postpaid.

Gold Medal Hybrids—Most flowers have two colors. No two are just alike. Very fine. Each, 35c; 3 for 75c; dozen for \$2.75, postpaid.

Gaillardia Grandiflora

(Blanket Flower) (20 in.) Flowers are bright orange and red in rays or rings. Very attractive and showy. Good for cutting. Each 20c; 3 for 40c; dozen \$1.40, postpaid.

Half a dozen plants will supply bouquets all summer and fall. Each 20c; 3 for 40c; 6 for 75c, postpaid.

Gypsophila

(Baby's Breath) A spreading gray green bush covered with myriads of tiny blossoms on feathery panicles. Fine for bouquets. Much used by florists. Each, 20c; 3 for 40c; dozen, \$1.40, postpaid.

Hollyhocks

We have a fine stock of double hollyhocks which have been much improved in recent years. Mixed colors. Each, 20c; 3 for 45c; dozen, \$1.20, postpaid.

Linum

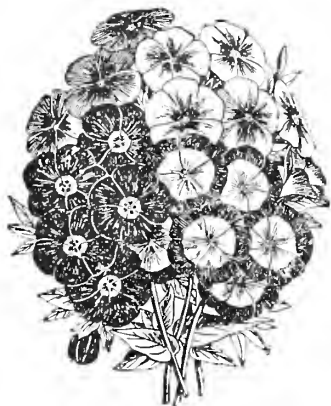
(Perennial Flax) One of the prettiest. Foliage is gray-green and fresh crops of sky blue flowers cover it each morning. Each, 20c; 3 for 40c; dozen, for \$1.25, postpaid.

Lychnis

(Jerusalem Cross) Has heads of brilliant orange scarlet blossoms. Very showy. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Lythrum

This is one of the newer perennials and a very fine one. It grows about 30 inches tall and has spikes of rose colored blossoms all summer. Each, 40c; 3 for \$1.00; dozen, \$3.50, postpaid.



PHLOX

Phlox

Hardy phlox are very desirable because they bloom abundantly during July and August. The varieties we offer are all field grown and are good popular sorts.

B. Comte Rich satiny red flowers. Each, 40c; 3 for \$1.00; dozen, \$3.50, postpaid.

Bridesmaid Pure white with large crimson-carmine eye. Each 35c; 3 for 90c; dozen, \$2.50, postpaid.

Mrs. Chas. Dorr

A tall, vigorous lavender. Each, 35c; 3 for 90c; dozen, \$2.50, postpaid.

Rhynstrom Beautiful rosy pink color. A good strong grower and very free flowering. Each, 40c; 3 for \$1.00; dozen, \$3.50, postpaid.

Sir Edwin Landsier A good light red slightly tinged with rose. Each, 40c; 3 for \$1.00; dozen, \$3.50, postpaid.

Mallows

(Mehan's Marvel) (4 ft.) An improved Hibiscus. Has large flowers ten inches in diameter. Mixed colors only. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Monarda

(Didyma) The plant has a mint fragrance. Flowers are bright scarlet. Each, 20c; 3 for 40c; dozen, \$1.40, postpaid.

(Mexican Red) Flowers larger than Didyma, of rosy purple. Each, 30c; 3 for 60c; dozen, \$2.00, postpaid.

Physostegia

(False Dragon Head) Has white or pale pink flowers on tall stalks. Will bloom from July till frost, if kept cut. Each, 20c; 3 for 40c; dozen, \$1.40, postpaid.

Poppy

(Oriental) Blooms the last of May. Has bright blossoms six inches in diameter. Colors are the shades of scarlet or crimson. Plants should be set out in August and have a light mulch the first winter. They are a little difficult to start, but are well worth the effort. Each, 40c; 3 for \$1.00; dozen, \$3.50, postpaid.

Primrose

The Common yellow English primrose. Blooms freely in early summer. Multiplies rapidly. Each, 30c; 3 for 60c; dozen, \$2.25, postpaid.

Pyrethrum

(Painted Daisy) (20 inches) Has pretty cut foliage and daisylike flowers. Colors are shades of pink or red. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Rudbekia

(Golden Glow) One of the largest of the perennials and good for screen planting. Grows six feet high and is covered with myriads of bright yellow flowers. Each, 25c; 6 for 75c; dozen, \$1.25, postpaid.

Saponaria

(Bouncing Betty) Has clusters of double orchid and white flowers from June till frost. Will grow anywhere. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Sedum Spectabilis

This is the largest of the Stonecrops or Live-Forever family. Has large umbels of rose colored blossoms in August. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Solomon's Seal

A graceful native plant. Has three-foot stems with rows of green blossoms in pairs followed by blue black berries. Each, 30c; 3 for 60c; dozen, \$2.25, postpaid.

Sweet William

(12 inches) A spreading plant with large clusters of flowers. Most of our stock is double and ranges in color from pure white to dark red. Nice for cutting. Mixed colors only. Each, 20c; 3 for 40c; dozen \$1.25, postpaid.

Veronica

(Spicata) Has flowers of corn flower blue on slender stalks. Each, 20c; 3 for 40c; dozen, \$1.40, postpaid.

Violet

(Mammoth Russian) A large single sweet Violet. Blooms extra early. Perfectly hardy. Each, 20c; 3 for 50c; dozen, \$1.75, postpaid.

Yucca

Adam's Needle. This is the soapweed of the western plains. The swordlike foliage is ever green. Flowers are creamy white bells that hang from a three-foot stalk. Each, 40c; 3 for \$1.00; dozen, \$3.00, postpaid.

Spring Bulbs

Cannas

Cannas always will be popular for bedding purposes. They are easily grown and they increase in number rapidly. They should be dug just after frost and stored in a cold basement. Our prices are for dormant roots, divided ready for planting.

Austria Height 6 feet. The giant golden lily flowered canna. Flowers 6 to 8 inches across. Plant a strong grower. Each, 20c; dozen, \$1.50, postpaid.

Burbank The American Orchid flowering canna. The flowers are immense in size, the upper petals spreading fully 7 inches. Toward the inner part the petals show fine crimson spots, all the rest of the flower is a rich, canary yellow. Each, 20c; dozen, \$1.50, postpaid.

Mrs. Florence Hall Height 4 feet. A striking new variety. Green foliage, yellow flowers with red markings. More attractive than the Florence Vaughan. Larger flower. Each, 25c; dozen, \$2.00, postpaid.

Charles Henderson Height 4 feet. Green foliage; one of the finest bedding varieties. Compact, vigorous growth and free bloomer. Color a deep rich crimson. Each, 20c; dozen, \$1.50, postpaid.

King Humbert Scarlet flowers, bronze leaves. One of the most popular cannas. Each, 25c; 3 for 60c; dozen, \$2.00, postpaid.

Yellow King Humbert Foliage very dark green; flowers very deep yellow, spotted with light red. Each, 25c; 3 for 60c; dozen, \$2.00, postpaid.

Richard Wallace Height 4½ feet. Flower canary yellow. Dark green, massive foliage and strong grower. Each, 20c; dozen, \$2.00, postpaid.

The President 3½ feet tall. Very profuse bloomer. Flowers bright red color. Green foliage. Each, 20c; dozen, \$1.00, postpaid.

Giant Bronze Foliage 8 feet. Large, tropical foliage. Makes an excellent screen. Grows rapidly. Flower small red. Each, 15c; dozen, \$1.00, postpaid.

Mixed Bedding Cannas A mixture of the different sorts and colors. Each, 15c; dozen, \$1.00, postpaid.



TIGRIDIMUM SPLENDENS

Hardy Lilies

BECAUSE of their stately beauty the Hardy lilies are being widely used. They require little care and add materially to the attractiveness of any permanent planting. All the varieties, except the Auratum and the Candidum, can be planted in the spring and most of them will bloom the first season.

Tigridium Splendens The improved single tiger lily. Grows four or five feet high. Has bright orange blossoms, spotted with black. July and August. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Double Tiger Lily Has large double orange flowers spotted with black. Grows five feet tall and is specially effective with a background of evergreens. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Wallacei A dwarf lily about two feet tall. Has blossoms of rich orange with maroon spots. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Speciosum Rubrum Flowers are white, with deep rosy or crimson band on each petal, with deeper colored spots between. Each, 40c; three for \$1.00; dozen, \$3.50, postpaid.

Speciosum Album The finest of the pure white, hardy perennial garden lilies. Has large white flowers of great substance beautifully recurved. Each, 40c; three for \$1.00; dozen, \$3.50, postpaid.

Auratum (Gold Banded Japanese Lily) This is one of the finest hardy lilies. Flowers are large ivory white, spotted with crimson and have a wide gold band down the center of each petal. Blooms from June to September. Each, 50c; 3 for \$1.25; dozen \$4.00, postpaid.

Candidum (Madonna Lily) Has glistening white flowers on stiff, strong stems. It is similar to the Easter Lily but has the advantage of being hardy and desirable for outdoor planting. It prefers an open sunny position. Each, 60c; three for \$1.50; dozen, \$5.00, postpaid.

Day Lily (Funkia) Tall stalks of pale blue flowers in July. The plant has wide glossy green leaves and has a formal effect when used to edge shrubbery or the perennial border. Each, 20c; three for 50c; dozen, \$1.75, postpaid.

Lily of the Valley Produces clusters of fragrant white blossoms in early spring. They are very hardy and multiply rapidly. They should be planted in a moist, shady place. Dozen, 40c; \$3.00 per 100.

Hemerocallis Lilies

The Hemerocallis lilies have tubers instead of bulbs, and have yellow or orange blossoms. They are perfectly hardy and will thrive anywhere but will bloom longer if they have moisture and shade. Flowers are true lily shape and are borne in clusters on long slender stems.

Altrina Has three-foot stems with clear yellow blossoms. Varnish brown on back of each petal. Blooms in June. Each, 30c; three for 50c; dozen, \$1.75, postpaid.

Lemon Lily Has bright, lemon-colored blossoms with delicate fragrance. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Orangeman This is the best of the orange lilies. Has bright orange-colored blossoms in May and June. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Sovereign Grows fully four feet tall and has fine, clear yellow blossoms in late July and August. Each, 30c; four for \$1.00; dozen, \$2.50, postpaid.

Thunbergii (Buttercup) This is similar to the lemon lily but blooms much later. Has open blossoms of clear butter yellow. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Collection of Lilies

One each of Wallacei, Single Tiger Lily, Double Tiger Lily, and two Hemerocallis Lilies for

\$1.00 Postpaid

Spring Bulbs

Amaryllis

Johnsonii Of strong, vigorous growth. Brilliant red flowers, with petals striped with white. Very fragrant and attractive. Each, 50c; three for \$1.25; dozen, \$4.00, postpaid.

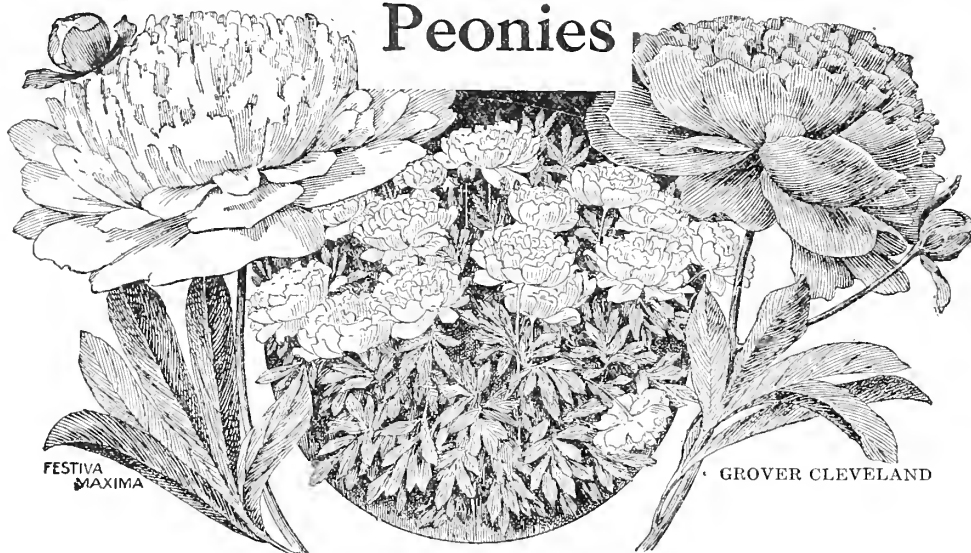
Caladium

Esculentum (Elephant's Ear) A splendid tropical plant, growing 4 to 5 feet with immense leaves, often growing 3 feet long. Of easy culture. Large bulbs, 35c; three for 95c; dozen, \$3.00, postpaid.

Calla Lily

Elliottiana This magnificent new yellow calla is of marvelous beauty. The flowers are very large and of the brightest golden yellow. Leaves beautifully spotted with white. Each, 35c; three for 90c; dozen, \$3.00, postpaid.

Peonies

FESTIVA
MAXIMA

GROVER CLEVELAND

THE peony is one of the finest of the hardy perennials and one that is vigorous and easy to grow. The flowers are large and attractive, and the foliage is rich, glossy and ornamental even when the plants are not in bloom. They are free from disease and insects. Many of the flowers have a lovely rose fragrance. In the central states the early varieties are usually in blossom for Memorial Day. Peonies should be ordered early, so they can be shipped before they start to grow. We send out large divisions with five to eight eyes. We are sure you will be pleased with their size and quality.

Red Peonies

Grover Cleveland Dark crimson, rose type, late. It is a very strong, vigorous grower and flowers are very large and full. Each, 80c; three for \$1.75, postpaid.

Felix Crousse Large, globular, bright red. A solid, late blooming flower. One of the finest reds. Each, \$1.00; three for \$2.00, postpaid.

Prince Imperial Semi-rose type, late midseason. Amaranthine red. Each, 75c; two for \$1.25, postpaid.

Unnamed Red Good Red double peonies. Our selection. Each, 50c; three for \$1.00, postpaid.

Rubra Triumphans A rich, satiny, crimson flower. Blooms early and has a pleasing odor. Each, 75c; three for \$1.50, postpaid.

Fern Leaf Peony This plant is small, low-growing and has fern-like foliage. The flowers are very double, rich crimson in color and are the first to appear. They increase very slowly and are very rare. Each, \$3.00; large plants, \$5.00, postpaid.

Pink and Rose Peonies

Edulis Superba (Decoration Day Peony.) Fine shell pink. Large double blossom. Is called the Decoration Day Peony because it blooms early and is usually in bloom the last of May. Each, 60c; two for \$1.00, postpaid.

Floral Treasure A soft, delicate blush pink. Very prolific. Flowers are very large and double. Has a lovely rose fragrance. Each, \$1.00; three for \$2.00, postpaid.

Humei A cherry pink blossom with silvery tips. One of the fine pinks. Each, 75c; three for \$1.50, postpaid.

Mikado Is one of the best of the single Japanese peonies. It has bright rose petals with a large group of yellow stamens in the center, and is very attractive. Each, 75c; three for \$2.00, postpaid.

Ruth Color of the American Beauty Rose. Foliage is glossy green. The flower is large, perfectly double and has the stamens scattered among the petals. Each, 65c; three for \$1.25, postpaid.

Victoria Tricolor

This is a very pleasing blossom. The outer petals are pale rose, inner petals corn color and the center bright rose. Each, 60c; three for \$1.40, postpaid.

Unnamed Pink Good Pink double. Our selection. Each, 50c; three for \$1.00, postpaid.

White Peonies

Festiva Maxima By far the best double white. Flower an immense perfect globe. Color pure, snowy white, center marked with carmine. Each, 75c; three for \$1.50, postpaid.

Marie Lemoine Flowers open a faint blush but change to white when fully open. Late, delicately fragrant. Each, 75c; three for \$1.50, postpaid.

Queen Victoria A fine early white. Blossoms are double and compact. Each, 75c; three for \$1.50, postpaid.

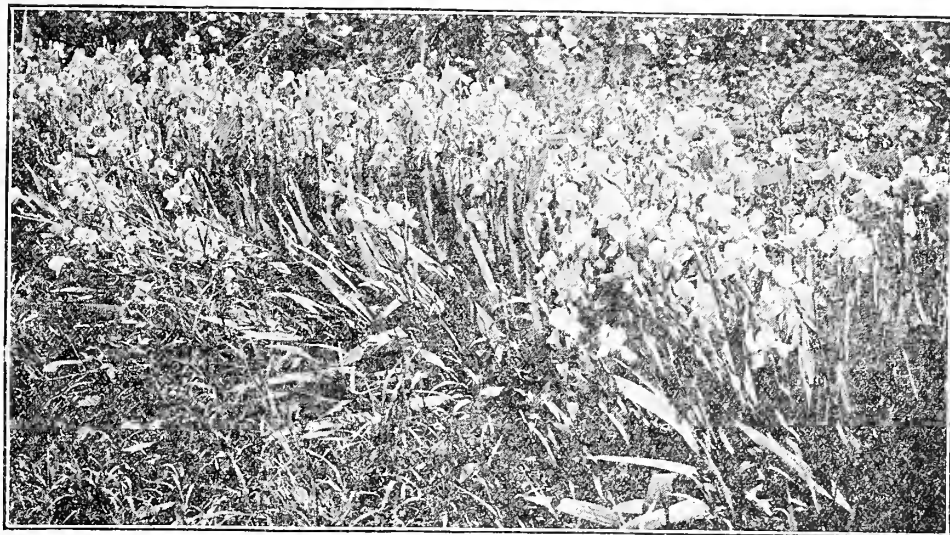
Water Lily Peony (Albiflora) A fine single white with large, yellow stamens. Very prolific. Foliage is covered with the large blossoms. Each, 75c; three for \$1.50, postpaid.

Unnamed White Good White double. Our selection. Each, 50c; three for \$1.00, postpaid.

MIXED PEONIES Good, Double Peonies from our regular stock. Your choice of color, red, pink or white. Each, 50c; three for \$1.00 or 12 for \$3.50, postpaid.

Tricolor Bargain Peonies

Edulis Superba One large division of each of these three colors for
Marie Lemoine
Rubra Triumphans **\$1.35** Postpaid



Iris

THE German or tall bearded Iris are very satisfactory because they will do well in almost any situation. They increase rapidly by root division and soon make nice, large clumps or they can be divided and replanted every two or three years. They are growing in popularity and we are adding a few good varieties each year. Ours are all strong field-grown plants which we ship the same day we dig them, so we are sure their quality will please you.

Iris are always in bloom for Memorial Day and are much used for cemetery planting.

Iris are nice used alone or with other perennial plants in a border or a row in the garden will furnish bouquets for six or eight weeks. If they are cut while in bud and put into water they will keep for a long time.

Celeste Is a fine open flower, large and satiny blue. Has long, fine stems. Blooms profusely. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Chalcedon A rich, dark flower. Standards mauve, falls rich purple. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Flavescens Standards cream white; falls primrose. This is the tall late creamy white which is so common. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Florentina Blue standards and purple falls. This is one of the best rich blues. Blooms early and flowers last well. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Florentia Alba (Silver King) Has silvery white blossoms and is pleasingly fragrant. Very early. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Gypsy Queen Standards are dull, creamy yellow; falls deep purple shaded bronze. Plants are large and vigorous and bloom freely so are fine for mass planting. Each, 25c; 3 for 50c; dozen, \$1.75, postpaid.

Eugene Sue Creamy white, with purple spots and lines. Each, 30c; three for 50c; dozen, \$1.75, postpaid.

Hollandia A clear, reddish mauve throughout. This is a very distinct and lovely variety, one that always attracts attention. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

La Tendre Standards are lavender, the falls light blue, veined with violet. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

La Innocence A good late white. Each, 25c; three for 50c; dozen, \$1.75 postpaid.

Madame Chereau White with each petal delicately frilled with a border of blue. It is fragrant and a lovely flower and one that has a long blooming season. Each, 25c; three for 50c; dozen, \$1.75, postpaid.

Monsignor A rich, satiny violet, falls same shade but heavily marked with rich purple. Buds and blossoms extremely large. Each, 35c; three

for 75c; dozen \$2.50, postpaid.

Nero Both standards and falls are the deepest velvety purple. Buds are long, well-shaped and almost black. It blooms early and lasts for several weeks. This is one of our finest varieties, and so far as we know the darkest in existence. No one who sees our Iris in bloom fails to order Nero. We have a fairly large stock this year and are offering this fine Iris at a low price considering its excellence. Each, 40c; three for \$1.00; dozen, \$3.50, postpaid.

Niebellungen Standards fawn; falls violet purple on bronze. A large flower on very long stems. Each, 30c; two for 50c; dozen, \$2.50 postpaid.

Oriflamme Standards are very large and bright blue; falls are broad and long and dark purple. Each, 50c; dozen, \$4.00 postpaid.

Pallida Dalmatica A large flower with lavender standards and deeper lavender falls. Produces an abundance of blossom. One of the best for cutting and is very sweet scented. Each, 25c; three for 50c; dozen \$1.75 postpaid.

Plumeri A coppery rose claret. Tall and strong and very attractive. Each, 25c; three for 50c; dozen, \$1.75

Powhatan Standards light bishop violet, with deeper border. Falls deep purple shaded crimson. Each, 30c; two for 50c; dozen, \$2.50 postpaid.

Princess Victoria Louise Standards are rich sulphur yellow. Falls are rich plum bordered with cream. A striking and beautiful flower. Each, 25c; three for 50c; dozen, \$1.75 postpaid.

Mrs. Neubronner Flower is deep, rich, golden yellow throughout. Each, 25c; three for 50c; dozen, \$1.75 postpaid.

Queen of May A lovely, rosy orchid, almost pink. Each, 30c; two for 50c; dozen, \$2.50 postpaid.

Sans Souci Violet and yellow flushed apricot. Blooms freely. Each, 25c; three for 50c; dozen, \$1.75 postpaid.

Shakespeare Standards are light yellow, veined with seal brown. Falls are deep carmine violet. Each, 25c; three for 50c; dozen, \$1.75 postpaid.

Wyomissing Standards creamy white, suffused soft rose. Falls deep rose shading to flesh colored border. A very pretty delicate flower. Each, 30c; two for 50c; dozen, \$2.50 postpaid.

Iris—(Continued)

Spectabilis Standards clear, dark blue. Falls deep purple. Flowers very large. Each, 30c; three for 60c; dozen, \$2.00 postpaid.

Calamus (Sweet Flag) This is the calamus mentioned in the Bible. Both leaves and roots have an aromatic odor and taste. There are no blossoms but the plant is very decorative, especially on the margin of a stream or pool. Each, 20c; four for 50c; dozen, \$1.25 postpaid.

Mixed Iris Mixed Iris in a good range of colors, good strong plants, not labeled. Four for 50c; ten for \$1.00; 25 for \$2.25, postpaid.

Collection of Iris

One each of the following for \$1.00, postpaid.

Powhatan	Hollandia
La Innocence	Mme. Chereau
Celeste	Plumeri
Niebellungen	

This collection will give you a nice range of color and some of the best varieties for cutting. All will be carefully labeled.

\$1.00 Postpaid

Spring Bulbs

Dahlias

The dahlias we offer are good, large, dormant bulbs that have been carefully stored and divided for planting. They are one of the showiest of the autumn flowers. The tubers should be dug right after frost and carefully stored over the winter.

A. D. Livoni A splendid clear pink, beautifully quilled, and of perfect form. Each, 30c; 3 for 75c; dozen, \$2.50, postpaid.

Castlemain A beautiful bronze yellow. Large striking flowers. Each, 40c; 3 for \$1.00; dozen, \$3.25, postpaid.

Jack Rose So named because its color is like General Jacqueminot Rose. Each, 25c; 3 for 60c; dozen, \$2.00, postpaid.

Manhattan Beauty An excellent flower; free blooming. Striped red and white in distinct contrast. Each, 25c; 3 for 60c; dozen, \$2.00, postpaid.

Milady Light pink with darker pink center; early free flowering. Each, 30c; 3 for 75c; dozen, \$2.50, postpaid.

Queen Victoria Golden yellow; blooms early. Each, 25c; 3 for 60c; doz., \$2.00, postpaid.

Sylvia A lovely shade of mauve pink. Each, 25c; 3 for 65c; dozen, \$2.60, postpaid.

Unnamed Colors Striped, red, yellow, pink, mixed. Each of the above, 20c each; 3 for 50c; dozen, \$1.50, postpaid.

Hardy Ferns



Hardy ferns are being used in quantity for massed planting and for corners about the house where the sun does not strike. Such places can be wonderfully beautified by the use of hardy ferns.

For best results hardy ferns should be planted in ordinary garden soil to which has been added leaf mold. If the ground is not sloping it will be well to raise it between two and three inches to improve the drainage. Ferns should not be planted too deep. The crown should be left exposed to the air.

Adiantum Pedatum (Maidenhair Fern)

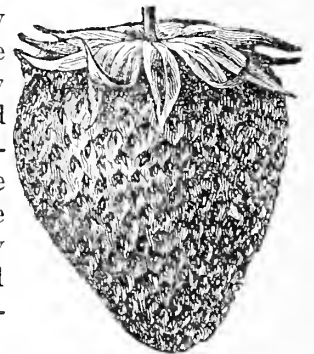
The most graceful of all our native ferns. Attains height of twelve to fifteen inches when grown in rich soil in moist, shady location. 25c each; \$1.50 dozen; \$12.00 per 100, postpaid.

Osmunda Claytoniana

Grows two to three feet high. Is usually found native in rather dry, shaded places. Does well under cultivation. 25c each; \$1.75 per dozen; \$15.00 per 100, postpaid.

Strawberry Plants

Strawberries will grow in any climate and thrive in most any soil. They are so easily grown and so abundantly satisfactory that they should be in every garden. We are offering just one variety of the June Bearing and one variety of the Everbearing sort.



Senator Dunlap (June Bearing)

Of medium size, very hardy and productive. Vigorous grower. Remains in bearing until quite late. Is unsurpassed in quality. Is still the best all around variety. Dozen, 50c; 100 for \$1.75, postpaid. Not postpaid, 100 for \$1.50; 1,000 for \$11.50.

Progressive (Everbearing)

Of vigorous habits. The plants multiply better than most of the everbearing varieties. The berries are smooth and uniform in size; of deep crimson, glossy color and of excellent quality. Dozen, 75c; 100 for \$3.00, postpaid. Not postpaid, 100 for \$2.50; 1,000 for \$20.00.



Trial Offer of Gladioli

Three bulbs each of Mrs. Frances King, Priscilla, Rose Ash, Giant Nymph. twelve bulbs in all, postpaid, only

95c

GLADIOLI

You can plant gladioli anywhere and anytime during the spring up until June 15. They make excellent cut flowers throughout the summer and they work in very nicely in informal borders or formal beds. They can also be worked into groups among the shrubbery.

We are offering two sizes of bulbs, large and medium. The medium size will not give quite as large a flower but it will be sure to bloom. You will also be surprised at the increase in the size of the bulb and number of bulblets.

Large size of the following varieties at 5c each, 3 for 14c, 12 for 50c, 100 for \$3.50, postpaid.

Medium size at 4c each, 3 for 11c, 6 for 20c, 12 for 35c, 100 for \$2.75, postpaid.

AMERICA.—Large, soft lavender pink.

AMES.—Early; light, creamy salmon.

CRACKERJACK.—Dark, velvety red.

E. J. SHAYLOR.—Beautiful, pure, deep rose-pink ruffled.

HALLEY.—A dependable early salmon pink.

LE MARECHAL FOCH.—Large, early pink; one of the best.

MINNESOTA.—A light tint, nearly white, with red markings.

MRS. FRANCES KING.—Light scarlet. No new variety has yet taken its place.

PANAMA.—Large, deep rose pink; none better.

PEACE.—Tall, very strong growing; the best commercial late white.

1910 ROSE.—Early bright rose pink.

PRINCE OF WALES.—Very early; clear salmon with yellow throat; one of the most beautiful varieties; delicate.

Large size of the following varieties at 10c each, 3 for 28c, 6 for 55c, 12 for \$1.00, 100 for \$7.00, postpaid.

Medium size at 8c each, 3 for 22c, 6 for 40c, 12 for 75c, 100 for \$5.50, postpaid.

ANNA EBERIUS.—Dark velvety purple; large flower set on tall spike. Greatly admired.

BARON HULOT.—Deep violet blue; one of the best blues.

ELORA.—White with yellow and crimson throat.

EVELYN KIRTLAND.—Long straight spike; large pink flowers; one of the best.

FLORA.—Golden yellow; nearly self color. Extra large flowers on a tall straight spike.

GOLDEN MEASURE.—The best exhibition yellow; extra large flowers on tall spikes; an indispensable yellow.

MARY FENNEL.—Lavender pink with primrose throat.

MRS. H. E. BOTHIN.—One of the loveliest combinations in glads. It has created a sensation wherever shown. Light geranium pink, blotched throat, heavily ruffled.

MRS. FRANK PENDLETON.—Light pink, blotched red; long spike.

MAJESTIC.—Orange pink; very early.

NIAGARA.—A good yellow; a favorite variety.

ODIN.—Early salmon pink.

PRINCEPINE.—Rich carmine red with a distinct white blotch.

ROSE GLORY.—Large ruffled, light pink flower.

WAR.—Tall spike; blood-red flower; solid color.

WHITE CITY.—A new and purer white; lily-like flowers.

Large size of the following varieties at 15c each, 3 for 42c, 6 for 80c, 12 for \$1.50, 100 for \$10.00, postpaid. Medium size at 12c each, 3 for 35c, 6 for 65c, 12 for \$1.25, 100 for \$8.75, postpaid.

CARMEN SYLVA.—An Iowa production of great merit. The coming commercial white.

DIENER'S AMERICAN BEAUTY.—Brilliant American Beauty color. One spike opening a large number of flowers. Make an immense bouquet.

GIANT NYMPH.—Salmon; strong grower. Splendid.

GLENDAL.—A bright purple shade.

GOLD.—An Iowa production, said by some to be the equal of Golden Measure. A better propagator.

MONA LISA.—Gorgeous flower of palest soft rose-pink. Very new.

MRS. DR. NORTON.—Finest cream and pink. Always awarded the highest honors.

ROSE ASH.—Old rose blended with ash gray. Distinct and beautiful.

TYRIAN BEAUTY.—A beautiful, large flower, near "American Beauty" rose color; grand.

WELLINGTON.—Large reddish purple, with lighter blotch.

Large size of the following varieties at 25c each, 3 for 70c, 6 for \$1.30, 12 for \$2.50, 100 for \$15.00, postpaid.

Medium size at 20c each, 3 for 55c, 6 for \$1.00, 12 for \$1.75, 100 for \$12.00, postpaid.

CRIMSON GLOW.—A perfect, very large deep scarlet-crimson; flowers on a tall, strong spike.

DR. F. E. BENNETT.—The new orange-flame. Will replace any scarlet now grown commercially.

LUCIE.—Clear light yellow. Lower petals flushed crimson in throat. Flowers have good substance and are well arranged. It is extremely early and hence is in great demand.

MRS. F. C. PETERS.—The color is a beautiful shade of rose-lilac. Flowers of large size and many open at a time on a strong, perfectly straight stem. A very choice variety.

NEW AND RARE VARIETIES

BENGAL TIGER.—Large blossoms of a peculiar shade of smoky red, striped and lined with smoky blue-grey. Well named. Barbarically gorgeous. 50c each. Doz., \$5.00, postpaid.

LONGFELLOW.—Tall spike with large, wide open La France pink blooms. One of the greatest commercial varieties of all times on account of the perfect placement, and splendid color. \$1.00 each. \$10.00 dozen, postpaid.

MARIETTA.—A fine tall salmon, with a large burnt orange blotch. Splendid color harmony. 50c each. \$5.00 dozen, postpaid.

MRS. LAURA SHEDD SCHWEEP.—Large flowered pink with dark throat. 50c each. \$5.00 doz., postpaid.

SPLENDORA.—Dark, rich, velvety red. 50c each. \$5.00 dozen, postpaid.

PRIMULINUS

We are listing the primulinus gladioli separate from the other varieties this season. We have a wonderful selection of the primulinus varieties for you.

ALICE TIPLADY.—Large flowering; brilliant orange saffron. Very popular and in strong demand. 10c each. \$1.00 dozen, postpaid.

ALTAIR.—Bright saffron yellow. 10c each. \$1.00 dozen, postpaid.

JEWELL.—Beautiful flower of clear salmon pink. 10c each. \$1.00 dozen, postpaid.

MING TOY.—The most beautiful of all Primus. Yellow shaded to old gold. No collection should be without this flower. 15c each, \$1.50 dozen, postpaid.

MRS. AGNES WHITING.—A soft, clear yellow. 5c each, 50c dozen, \$3.50 per 100, postpaid.

MYRA.—A giant flowered primulinus. Deep salmon over yellow. Exquisite and showy. 10c each, \$1.00 per dozen, postpaid.

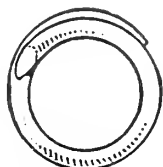
PRISCILLA.—Rosy salmon; large and ruffled. 10c each, \$1.00 dozen. \$7.00 per 100, postpaid.

PRIMUMELLA.—Ruffled orange pink. 10c each, \$1.00 doz., postpaid.

SALMON BEAUTY.—Very large flowered Primulinus. Deep salmon, rich salmon-yellow throat. 15c each. Dozen, \$1.50, postpaid.

POULTRY SUPPLIES

There isn't space in this catalog to list our complete line of poultry feeds, remedies and supplies. Circulars about these different lines will be sent to you free on request. Just ask for Poultry circulars.



KEY RING LEG BANDS



PILLING LANSDOWNE POULTRY MARKER.—A handy poultry marker. Look at the illustration and see how easy it is to use. Large or small size sent for 30c postpaid.



LEADER LEG BAND

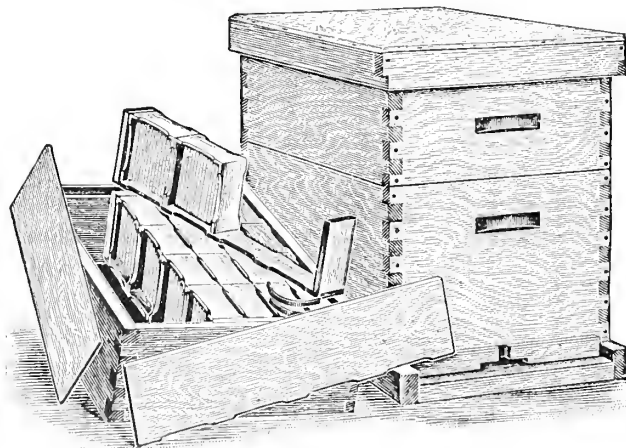
LEADER LEG BAND NO. 2.—An adjustable band which can be used for any size fowl from a bantam to a turkey. Made of aluminum, light and smooth. Postpaid, 12 for 30c; \$1.00 per 100; \$4.50 for 500 postpaid.

COLORLED LEADER LEG BANDS.—Made of aluminum with celluloid numbers in red, green, blue, yellow, pink and white. Numbered from 1 to 200 only. 25 for 70c; 100 for \$2.00 postpaid.

PHILADELPHIA POULTRY MARKER.—A convenient little spring punch for marking chickens. Marks small hole in web of the foot. 30 cents each postpaid.

KEY RING LEG BANDS.—Made of celluloid in six sizes and six colors. Spread easily to put on leg of fowl. Have no sharp edges. Sizes: Asiatic, American, Mediterranean, Bantam, Pigeon and Baby Chick. Specify in your order number of each color and size wanted. Prices: 3 largest sizes per dozen 25c; 100 75c; 1,000 for \$6.50 postpaid; 3 small sizes, doz. 25c; 100 65c; 1,000 for \$5.50 postpaid.

BEE SUPPLIES



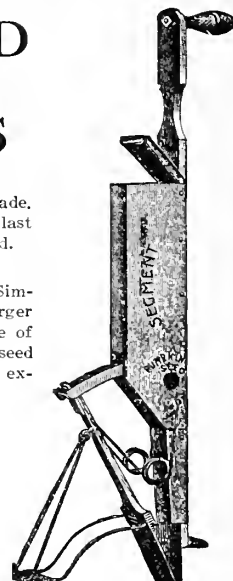
We carry a complete stock of Root Quality bee supplies and a descriptive catalog will be sent free to anyone who is interested in bees. Just ask for Bee Supply catalog.

GARDEN AND FARM NECESSITIES

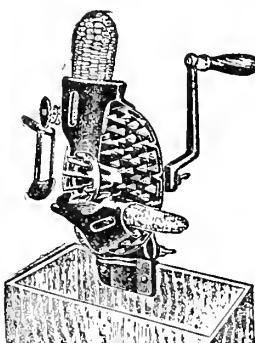
GRASS SHEARS.—Village Blacksmith made. An excellent, strong grass shear that will last a long time. Price \$1.25 each, postpaid.

ROTARY HAND CORN PLANTER.—Similar to the Segment corn planter, but has larger box for seed and operates on the principle of the large corn planters. Has adjustable seed plates. Extremely accurate. Price by express \$3.00 each.

SEGMENT HAND CORN PLANTER.—Operated with one hand. Drops as fast as you walk and you make it drop where you want it. You can also plant beans or peas. Price each, by express, \$2.00. Mailing weight 4 lbs.

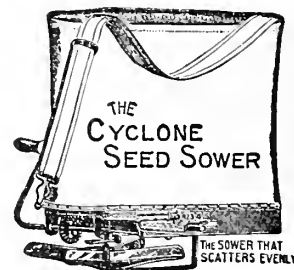


SEGMENT CORN PLANTER



STAR CORN SHELLER.—A fine sheller for hand use. Has attachment for shelling tips and butts, making it desirable in seed corn. Also an extra attachment for shelling pop corn. Can be fastened on a box, throws cobs out the rear way from the shelled corn. Strong, well made and will last a lifetime. Each, by express, \$2.00. Weight 12 lbs.

CYCLONE SEED SOWER.—Farmers should have a small hand seed sower for emergency use. This is an improved style, strong, well made and durable. It is very easy to understand and easy to operate. Directions with each machine. By express, \$2.00. Mailing weight 4 lbs.



CYCLONE SEED SOWER

GARDEN TROWELS.—Postpaid, 5-inch 20c; 6-inch 25c.

FLORIST TROWELS.—Extra heavy and durable. Will last a lifetime. By parcel post, each \$1.10.

HAZELTINE HAND WEEDER.—It has five sharp edges. Each 35c, postpaid. Per dozen \$3.00, postpaid.



**LANG'S
HAND
WEEDER**
HANDIEST
TOOL
ON EARTH.

LANG'S HAND WEEDER.—Is in our opinion the best; its special features—a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c each, postpaid. By express, per dozen \$2.00.

SPRAYERS



THE AUTO SPRAY NO. 9.—Compressed Air Sprayer.—Kept clean without difficulty. Diameter 7 inches. Height 2 feet. Capacity 3½ gallons. Shipping weight 15 lbs. Brass tank with "Auto Pop." \$9.25. Galvanized tank with "Auto Pop." \$6.25. Two foot brass extension rod, postpaid, 75 cents.

LEVER BUCKET SPRAY PUMP.—Will not rust. Price, by express, \$6.00. Eight foot extension pipe (for use among large trees), by express, 75c. Shipping weight of pump 9 lbs.; of pipe 5 lbs.

LITTLE GIANT BUCKET PUMP.—Made by Myers. One of the best selling pumps. Handle attached direct to plunger. Price \$4.50.

AUTO NO. 5. Accordion or Standard Type.—Place end of hose in bucket or barrel and pump will draw the liquid to nozzle end. Easy to clean. Five different types of spray. Price \$5.00.

MYERS' BARREL SPRAY PUMP.—A heavy brass cylinder barrel pump, for use in orchards and vineyards. It clamps onto the barrel so that it is rigid. The barrel can be set in a wagon or on a drag. It is equipped with 15 feet of hose and a graduated nozzle for either coarse or fine spray. Price \$14.00.

Practically unbreakable and will last many years. Each \$14.00.

SUNSHINE WHEELBARROW SPRAYER.—A light weight two-wheel sprayer. Just the thing for garden and small fruit. Tank holds ten gallons. Equipped with hose and changeable nozzle. Price \$18.00.

IMPROVED FAULTLESS OR "MISTY" SPRAYER.—The spray nozzle protrudes through the tank, making it strong. Mailing weight 2 lbs. By express, brass \$1.25; galvanized iron 75c; tin 50c.

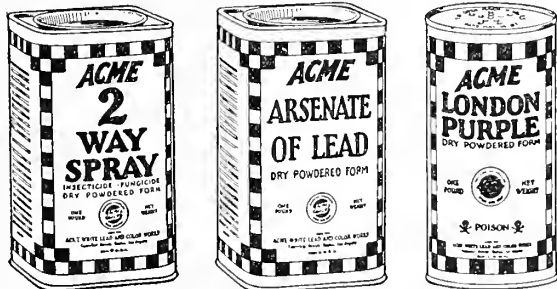
THE CONTINUOUS FAULTLESS SPRAYER.—Made in such a way that the action of the plunger forces a continuous fine mist spray and drawing back plunger does not stop the flow of the spray. Add postage. Mailing weight 2 lbs. By express, brass \$1.50; galvanized iron \$1.25; tin \$1.00.

FAULTLESS POWDER SPRAYER.—Made of tin, after the Faultless pattern. For use in applying Slug Shot, lime, paris green mixture or any powder form of insecticides. By express, not prepaid, 90c. Mailing weight 4 lbs.

DUSTERS.—Buckets with perforated bottom, used for applying Slug Shot or other forms of powdered insecticides. Very convenient and effective for the purpose. Each, by express, 75c. Shipping weight, 3 lbs.

SPRAY MATERIALS

Are not available. All items go at customer's expense.



DRY LIME SULFUR.—Acme Dry Lime Sulfur is true lime sulfur solution in dry powder form. It has all the advantages of the liquid material but eliminates the disadvantage. Price, 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.10; 25 lbs. \$4.50.

DRY POWDERED ARSENATE OF LEAD.—It contains from 30 to 33% of Arsenic Oxide. It clings to the foliage for the longest possible time, which means effective control of insects. Price, ½ lb., 25c; 1 lb. 40c; 4 lbs. \$1.25.

FUNGI-BORDO.—Fungi-Bordo is a true Bordeaux mixture in dry powdered form. Price, 1 lb. 30c; 5 lbs. \$1.40.

TWO-WAY SPRAY.—Is a combination Bordeaux mixture and Arsenate of Lead to save time and trouble. Price, ½ lb. 25c; 1 lb. 45c; 4 lbs. \$1.30.

PARIS GREEN.—¼ lb. 15c; 1 lb. 40c; 5 lbs. \$1.75.

NICO-FUME.—A condensed preparation of tobacco. Forty per cent nicotine. Price, 4 oz. can 75c; 1 lb. \$2.25; 8 lbs. \$15.00.

LONDON PURPLE.—An old insecticide now introduced in light powder form. Goes farther than Paris Green. Stays on longer and is more effective. Price ¼ lb. 15c; 1 lb. 35c; 4 lbs. \$1.10.

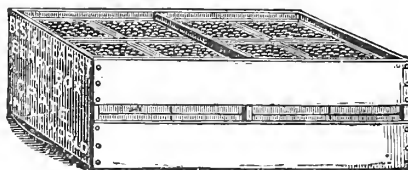
BLACK LEAF 40.—This is about 40% nicotine. Very powerful. Price, 1 oz. can 35c; ½ lb. \$1.25; 2 lbs. \$3.75.

FUMIGATING AND DUSTING POWDER.—Formerly sold under the name of Tobacco Dust. By express, 1 lb. 15c; 10 lbs. \$1.00; 100 lb. bag \$6.00.

PYRETHRUM POWDER.—The active ingredient of all insect powders. Kills cockroaches, ants and flies; harmless to animals. ¼ lb. 40c; lb. \$1.25.

WOLF'S GARDITE.—Is a dry powder in a carton with perforated top, so that it is easily applied. Not harmful to human health. Price, 25c postpaid. 5 cans for \$1.00.

HAMMOND'S SLUG SHOT.—Destroys all kinds of insects injurious to trees, shrubs and plants. Poisonous to insects, but not to foliage. Lb. 25c; 5 lbs. 75c; 10 lbs. \$1.40.



ORCHARD AND GARDEN SUPPLIES

BERRY BOXES.—Made of the best white wood, cut smoothly and perfect shape. Size 4¼ by 4¼ by 3¼. Price per 100 90c; 1,000 \$7.50. Weight 15 lbs. per hundred.

PINT BOXES.—Same as regular quart size except they are only 2 inches high. Price per 100 85c; 1,000 \$7.00.

CRATES.—Made of thoroughly seasoned wood, well ventilated at sides and bottom but with a tight cover to protect from dust. Shipped in the flat or knock down. Hold 24 quart boxes. Price per 10 \$3.00; per 100 \$27.50. Weight each 5 lbs.

CRATES FOR PINT BOXES.—24 pint size. Per 10 \$2.50; per 100 \$21.00. Weight 3½ lbs.

BERRY BOX TACKS.—Superior to common nails as they hold much better. Made of the very best Swedes Iron. 1 lb. (will make a thousand boxes) 50c; 5 lbs. \$2.00.

STAPLING WIRE.—To use with a stapling machine for making boxes. Per coil of 12 lbs. \$2.00.

MAGNETIC TACK HAMMERS.—Pick up the tacks and save much of the labor. Each 30c postpaid.

SPHAGNUM MOSS.—For packing plants and nursery stock. Per bale \$1.50.

TREE PRUNER.—Strong wooden handles 24 inches long. Powerful and effective. The best pruner where branches are within reach. Each \$1.75. Mailing weight 4 lbs.

WATER'S TREE PRUNER.—The standard make with six-foot pole \$2.00; 10-foot pole \$2.75. Cannot be mailed.

IMPROVED HAND PRUNING SHEARS.—Made especially for pruning grape vines, etc. Eight inches long. Straight spring. Price \$1.75.

TWIN BRAND SHEARS.—Best made; 8-inch \$3.00; 9-inch \$3.50.

CONNECTICUT PRUNING SHEARS.—A good tool for light work. Steel blades and spring, cast handles. Price \$1.00.

TREE LABELS.—3¼-inch. Copper wired. Per 1,000 \$3.75. Weight 4 lbs. 50c per hundred postpaid.

POT LABELS.—Smooth wood labels; 4-inch. Per 100 40c; per 1,000 \$2.40. 6-inch, per 100 60c; per 1,000 \$4.00; 10-inch, per 100 \$1.25; per 1,000 \$9.00. Mailing weight—4-inch 4 lbs.; 6-inch 6 lbs.; 10-inch 10 lbs. per 1,000. Price per 100 is postpaid.

PAPER FLOWER POTS.—Made of heavy, strong, waterproof paper. Fine for growing vegetable plants, pansies, asters, etc. Prices: 2¼-inch \$1.00 per 100 postpaid; 3-inch \$1.30 postpaid; 4-inch \$2.00 postpaid. Not prepaid, 2¼-inch \$5.00 per 1,000; 3-inch \$8.00 per 1,000; 4-inch \$12.50 per 1,000. Weight 30 lbs. per 1,000.

WIRE HANGING BASKETS.—Are made of wire to be lined with moss and filled with dirt. They are light, strong and durable and have chain attached. Eight-inch size with enough moss to line it 50c each; 10-inch 60c; 12-inch each 75c postpaid.

WIRE BRACKETS.—This pattern is a very handsome bracket, made of tinned wire and easily put up. Simple, practical, durable. Price 25c each; \$2.50 per dozen postpaid.

SPRINKLERS.—Made of pliable rubber with perforated cap. Holds about one pint. Handy for floral work and washing foliage of house plants. Each \$1.25 postpaid.

FISH OIL SOAP.—Usually called Whale Oil Soap. For plants infested by vermin, also used against fungus diseases and will keep trunks of trees free from borers. 1 lb. 50c postpaid.

Bird and Fish Supplies

SUPERIOR MIXED BIRD SEED

20c per lb; 6 lbs. for \$1.00, not postpaid.

BIRDHEALTH

15c per box; 8 boxes for \$1.00, postpaid.

BIRD GRAVEL

15c per box; 8 boxes for \$1.00, not postpaid. Mailing weight, 2 lbs. per box.

WHITE SAND

15c per box; 8 boxes for \$1.00, not postpaid. Mailing weight 3 lbs. per box.

CUTTLE BONE

Large size 10c each; small 5c each, postpaid.

WIRE NESTS

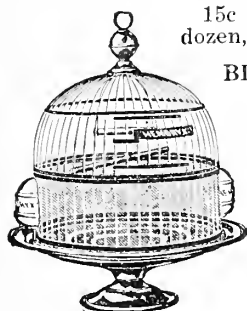
15c each; \$1.50 per dozen, postpaid.

BIRD NESTING

10c per pkg. postpaid.

BIRD CAGE

Here is a good all brass Hendryx cage for \$3.95 only, by express.



SUNFLOWER SEED

20c per lb., postpaid; 6 lbs. for \$1.00, not postpaid.

CANARIES

"Little Dewdrops of Celestial Melody"

The music of a good singing Canary makes the whole house more cheerful. Every member of the family enjoys the pure, clear notes of a happy little song bird.

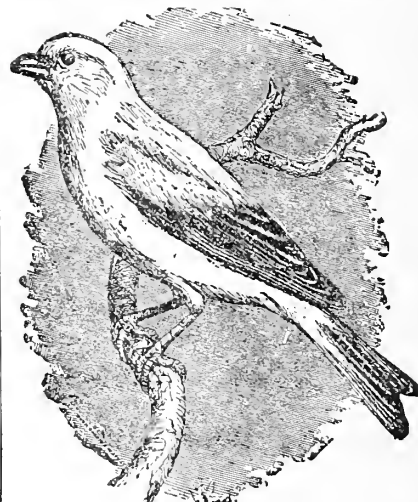
We ship Canaries and Goldfish safely to the most distant parts of the United States. In fact, we guarantee safe arrival of all birds and fish we ship. Prices quoted include packing for shipment. The transportation charges are to be paid by the purchaser except on items marked postpaid.

IMPORTED ST. ANDREASBURG ROLLERS

These are the most popular of all Roller Canaries. Their low, soft, sweet rolling song is a wonderful revelation of melody. Guaranteed to sing. Choice songsters, \$11.50 each. Extra select, \$14.50 each.

HARTZ MOUNTAIN CANARIES

This name is applied to the Canary whose song is more varied than the Roller's song. Often there will be many notes of the Roller song to which have been added the natural notes. This makes a very pleasing and alto-



HARTZ MOUNTAIN CANARY

gether a very interesting song. You will never grow tired of your Hartz Mountain Canary's cheerful song. Guaranteed to sing. Choice songsters \$7.75 each. Extra select \$9.75 each.

GOLDFISH

Attractive, healthy Goldfish, priced according to size. 15c each, 25c each, and 50c each. Large Goldfish for outdoor pools 75c to \$1.50 each. Shipping pails for Goldfish, 25c each.

INDEX TO CATALOG

Page	Page	Page	Page	Page
Achillea 23	Calliopsis 17	Cypress Vine 18	Heliotrope 19	Onion Seed 7
Acroclonium 17	Campanula 17	Dahlia 18, 28	Hemerocallis Lilies 19	Onion Sets 7
Ageratum 17	Canada Field Peas 14	Daisy 18	Hibiscus 19	Oriental Poppy 24
Alfalfa 15	Canary Bird Flower 17	Day Lily 25	Hollyhocks 19, 23	Pansies 20
Alyssum 17	Candytuft 17	Delphinium Roots 23	Horse Radish 11	Parsley 7
Amaranthus 17	Cane 15	Delphinium Seed 18	Ice Plant 19	Parsnip 7
Amaryllis 25	Canna Seed 17	Dianthus 18	Implements 9	Peanuts 8
Ambrosia 17	Canna Bulbs 24	Dolichos 18	Iris 27, 28	Peas 8
Ammobium 17	Canning Club Col- lection 12	Egg Plant 5	Job's Tears 19	Pennistum 20
Anchusa 23	Canterbury Bells 17	Electric Light Plant 18	Kaffir Corn 15	Pentstemon 20
Antirrhinum 17	Cardinal Climber 17	Endive 5	Kale 5	Peonies 26
Aquilegia 17	Carnation 17	Eschscholtzia 18	Kohl Rabi 5	Peppers 8
Arctotis Grandis 17	Carrots 3	Euphorbia 18	Kudzu Vine 19	Petunias 20, 21
Asparagus Roots 1	Cauliflower 2	Ferns 28	Larkspur 19	Phlox 24
Asparagus Seed 1	Celery 3	Feterita 15	Lawn Grass Seed 5	Phlox Drummondi 21
Asters (annual) 16	Celery 3	Fertilizers 5	Inside back cover	Planet Jr. Tools 9
Asters (perennial) 23	Celosia 18 Inside back cover	Leek 5	Pop Corn 4
Astilbe 23	Centaurea 18	Fish Oil Soap 31	Lettuce 5	Portulaca 21
Balloon Vine 23	Chervil 2	Flax 14	Lilies 25	Potatoes 9
Balsam 17	Chicory 4	Flower Pots 31	Linum 19, 23	Pot Labels 21
Barley 14	Children's Garden Collection 12	Flower Seed Mix- ture 22	Lobelia 19	Poultry Supplies 20
Beans 1	Chinese Cabbage 2	Four O'Clocks 18	Lychnis 23	Primrose 24
Beet Supplies 30	Chinese Lantern Plant 23	Foxglove 18	Lythrum 23	Pruning Shears 31
Beets 2	Chinese Woolflower 18	Gaillardia 18, 23	Magnetic Tack Hammer 31	Pyrethrum 21, 24
Bermuda Onion Plants 9	Chives 2	Garden Huckleberry 5	Mallows 24	Pumpkin 8
Berry Boxes 31	Chufas 4	Garden Plants 11	Mangels 2	Radiash 10
Berry Box Crates 31	Cinnamon Vine 23	Garden Trowels 30	Marigold 19	Rape 14
Berry Box Tacks 31	Clarkia 19	Geranium 19	Mignonette 19	Rhodanth 21
Bleeding Heart 23	Clivia 29	Gladioli 29	Millet 15	Rhubarb 10
Brachycome 17	Clover 18	Globe Amaranth 19	Milo Maize 15	Ricinus 21
Broom Corn 14	Cobaea Scandens 15	Godetia 19	Momordica 19	Rudbeckia 21
Browallia 17	Cockscomb 18	Gourds (Utility) 5	Moonflower 19	Ruta Baga 11
Brussels Sprouts 2	Collards 4	Gourds (Ornamen- tal) 19	Monarda 24	Rye 14
Bryanopsis 17	Coreopsis 18	Grass Mixtures 15	Morning Glories 19	Salpiglossis 21
Buckwheat 14	Corn 13	Grass Pinks 19	Mushrooms 12	Salsify 10
Burning Bush 17	Corn Planters 30	Grass Seed 15	Muskmelons 6	Salvia 21
Butterfly Flower 17	Corn Salad 4	Grass Shears 30	Mustard 6	Sand Vetch 14
Cabbage 3	Corn Shellers 30	Ground Cherry 5	Myosotis 19	Saponaria 24
Caecalia 17	Cosmos 18	Gypsophila 19, 23	Nasturtiums 20	Scabiosa 21
Caladium 25	Cotton 4	Hardy Lilies 25	Nicotiana 20	Scarlet Runner Bean 17
Calamagrostis 27	Cow Peas 14	Herbs 12	Nigella 20	Sedum Spectabilis 24
Calendula 17	Cress 4	Helichrysum 19	Oats 14	
Calla Lily 25	Cucumber 4		Okra 7	

ORDER SHEET FOR

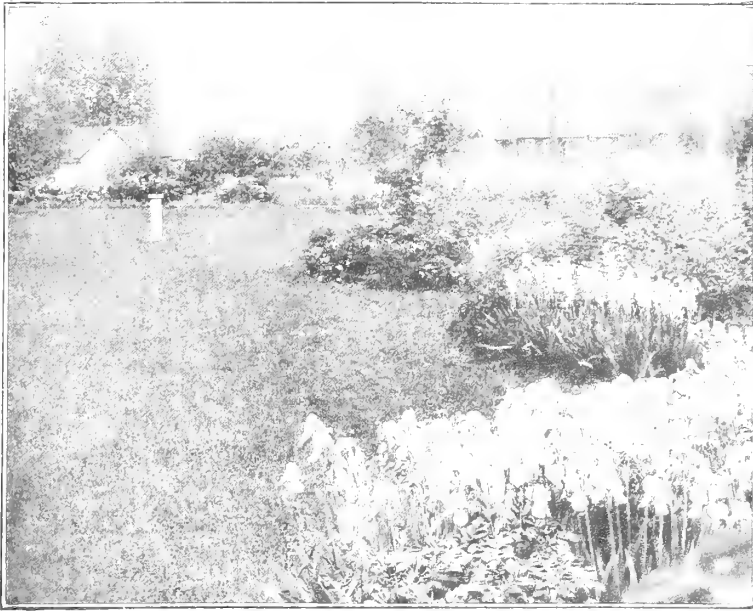
TOOLS, SEED POTATOES, ETC.

East 4th and Locust

Des Moines, Iowa

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Altoona Perennial Collection

Where you have a new lot to plant or a spot you wish to make attractive this collection is just the assortment you need. Plant the Iris in irregular groups. Place the Peonies between the groups with the other perennials in front of the Peonies.

Of course this is only a suggestion of arrangement. You may wish to use them for a border around your garden or to cover a terrace or bank. Used in any way you will have a grand display of blossoms every year with a minimum of care and attention.

LAWN GRASS SEED

Grass seed is a specialty with us and we sell tons of it every year. Our experience enables us to select only high grade seed for our customers. You will be abundantly pleased with any of the grass seeds described below.

EVERGREEN MIXED LAWN GRASS SEED.—Our own special mixture of grass seeds suited for growing together in the central and northern states. Is formed of grasses which keep green from early spring all through the summer. Per lb. 50c; 3 lbs. \$1.40, postpaid. Not prepaid, any quantity at 40c per lb.

SHADY PLACE MIXTURE.—This mixture is a combination of fine, dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots, to make a fine lawn under shade trees. Heavy seeding makes quick sod. Price per lb. 60c; 3 lbs. \$1.75, postpaid. Not prepaid, any quantity at 50c per lb.

TERRACE LAWN MIXTURE.—This is a mixture of grasses which have strong and spreading roots, making a close turf which heavy rains cannot wash out easily. Per lb. 60c; 3 lbs. \$1.75, postpaid. Not prepaid, any quantity at 50c per lb.

KENTUCKY BLUE GRASS

KENTUCKY BLUE GRASS, "Iowa Shield" Brand. We pride ourselves on this extra choice grade, which is of such unusual purity and high germination. Lb. 50c; 3 lbs. for \$1.40, prepaid. Not prepaid, any quantity at 40c per lb.

WHITE DUTCH CLOVER

WHITE CLOVER, "Iowa Shield" Brand.—The well known common white clover. Lb. 75c; 3 lbs. \$2.00, postpaid. See Farm Seed List for quantity prices.

LAWN FERTILIZERS

PEERLESS FERTILIZER.—Lawn grass will not thrive and hold its color and velvety appearance unless it is suitably fed. Our Peerless Fertilizer is of best quality, dry, finely pulverized, easy to apply, practically nonodorous. In preparing a new lawn sow 25 to 50 lbs. per 1,000 sq. ft. of surface, according to richness of soil, raking in thoroughly. For top dressing on lawns, use about 20 lbs. per 1,000 sq. ft. or 1,000 lbs. per acre. 10 lb. pkg. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50. Ask for price in quantity.

SHEEP MANURE.—This is a natural manure, unadulterated. If wanted in liquid form, dissolve at the rate of 1 lb. to 5 gallons of water. Price, 10 lbs. for 50c; 50 lbs. \$1.75; 100 lbs. for \$3.00. Ask for price in quantity.

PURE BONE MEAL.—It is clean, free from odor and gives results in added growth of grass. Preferred by many users because it lasts longer than other fertilizers, one application usually showing results for several seasons. 10 lbs. 60c; 50 lbs. \$2.00; 100 lbs. \$3.50. Ask for prices in quantity.

THE COLLECTION CONSISTS OF

- 100 Tall Bearded or German Iris, at least five colors or shades, each variety wrapped separately and labeled.
- 12 Peonies. Four Red, Four White, and Four Pink. Each color labeled.
- 3 Lythrum. A beautiful everblooming perennial. Rose colored flowers.
- 6 Rudbekia—Golden Glow. For background. Grows six feet high.
- 3 Hardy Asters. Blossoms in fall.
- 20 Odd Perennials. Three or Four of a kind. Our selection but all good hardy varieties.

All for \$10.00. By express or freight. Half-size collection for \$5.50. Double collection \$19.00. Five collections for \$40.00 (shipped to one address).

Back Cover Collection

This practical garden collection includes the following vegetables selected especially for the back yard or kitchen garden.

1 1/2 lb. Premium Gem Peas, 1/4 lb. Dwarf Champion Peas, 1 oz. Bloomsdale Spinach, and one full packet of each: Stringless Green Pod Beans, Brittle Wax Beans, Crosby's Egyptian Beet, Early Sunrise Sweet Corn, Early Cluster Cucumber, Chicago Pickle Cucumber, Early Curled Simpson Lettuce, Improved Hanson Lettuce, Golden Globe Onion, Improved Guernsey Parsnip, Chinese Giant Pepper, Table Queen Squash, Superlative Tomato, Golden Nugget Tomato, White Model Turnip.

Eighteen varieties of best vegetables. Total catalog value \$1.55, all for

\$1.00
(Postpaid)

Collection cannot be changed or broken.

1928 CATALOG

63RD YEAR

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